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Pomona College

Annual Catalog

1933-1934



Claremont : California

CORRESPONDENCE

Correspondence should be addressed as follows, the postoffice address being in every case Pomona College, Claremont, California:

Requests for catalogs, bulletins and general information, also inquiries regarding Public Events and Lectures - -
- - - - SECRETARY OF THE FACULTY

Admission of Students - - DIRECTOR OF ADMISSIONS

Business Affairs - - - - CONTROLLER

Student Affairs - - - DEAN OF THE COLLEGE
AND DEAN OF WOMEN

Alumni Affairs SECRETARY OF THE ALUMNI ASSOCIATION

POMONA COLLEGE BULLETIN

PUBLISHED BI-MONTHLY BY POMONA COLLEGE

Entered as second-class matter August 24, 1912, at the Postoffice at Claremont, California, under the act of August 24, 1912.

Vol. XXX

MARCH, 1933

No. 2

HOSPITALITY

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is owned and operated by the institution. Parents and friends are invited to use the facilities of the Inn for longer or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under both the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses in part the friendliness of the colleges and the community.

Forty-sixth Year

Pomona College

ANNUAL CATALOG

REGISTER OF OFFICERS AND
TEACHERS FOR THE YEAR
1933 - 1934, REQUIREMENTS
FOR ADMISSION, DESCRIPTION
OF COURSES AND GENERAL
INFORMATION

March, 1933

CLAREMONT · CALIFORNIA

Published by the College

1933

1934

JANUARY							JULY							JANUARY							JULY						
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COLLEGE CALENDAR

1933

September	18, <i>Monday</i>	Registration Day for Freshmen and Specials
September	19, <i>Tuesday</i>	Registration Day for Freshmen
September	20, <i>Wednesday</i>	Registration day for Seniors, Juniors and Sophomores
September	21, <i>Thursday</i>	Registration Day for Seniors, Juniors and Sophomores
September	22, <i>Friday</i>	Opening Convocation, 8:30 a. m.
September	22, <i>Friday</i>	First Semester Classes begin, 10:00 a. m.
October	12, <i>Thursday</i>	Founders Day, Flame Ceremony, 11:00 a. m.
November	29, <i>Wednesday</i>	Thanksgiving Recess begins, 6:00 p. m.
December	4, <i>Monday</i>	Thanksgiving Recess ends, 8:00 a. m.
December	13, <i>Wednesday</i>	Christmas Music, 7:00 p. m.
December	15, <i>Friday</i>	Christmas Recess begins, 6:00 p. m.

1934

January	2, <i>Tuesday</i>	Christmas Recess ends, 8:00 a. m.
January	23, <i>Tuesday</i>	Examinations Begin
February	3, <i>Saturday</i>	First Semester Ends
February	5, <i>Monday</i>	Registration Day for Underclassmen and Specials
February	6, <i>Tuesday</i>	Registration Day for Upperclassmen
February	7, <i>Wednesday</i>	Second Semester Classes begin, 8:00 a. m.
February	8, <i>Thursday</i>	Opening Convocation of Second Semester, 11:00 a. m.
February	17, <i>Saturday</i>	Matriculation and Parents' Day Convocation, 11:00 a. m.
April	6, <i>Friday</i>	Spring Recess begins, 6:00 p. m.
April	17, <i>Tuesday</i>	Spring Recess ends, 8:00 a. m.
May	31, <i>Thursday</i>	Memorial Convocation, 11:00 a. m.
June	5, <i>Tuesday</i>	Examinations begin
June	18, <i>Monday</i>	Commencement

SUMMER VACATION

September	17, <i>Monday</i>	} Registration Days
September	18, <i>Tuesday</i>	
September	19, <i>Wednesday</i>	
September	21, <i>Friday</i>	Convocation, 8:30 a. m.

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DIRECTORY OF OFFICERS

CHARLES K. EDMUNDS, President.	209 Sumner Hall.
GERTRUDE PALMER CLEVERDON, Assistant to the President.	209 Sumner Hall.
GILBERT N. BRINK, Assistant to the President.	203 Sumner Hall.
WILLIAM E. NICHOLL, Dean of the College.	101 Sumner Hall.
JESSIE E. GIBSON, Dean of Women. ¹	112 Sumner Hall.
WILMA J. BRUCE, Assistant to the Dean of Women. ²	112 Sumner Hall.
ERNEST E. JONES, Treasurer.	Harper Hall.
GEORGE S. SUMNER, Controllor.	Harper Hall.
GEORGE S. BURGESS, Secretary of the Faculty.	200 Sumner Hall.
HOWARD HUNT PATTEE, Director of Admissions.	104 Sumner Hall.
CHARLES T. FITTS, Registrar.	106 Sumner Hall.
KENNETH DUNCAN, Director of the Library.	Library.
MARION J. EWING, Acting Librarian.	Library.
EASTON H. LUM, College Physician.	Dispensary.
EDNA PRESCOTT DAVIS, Director of Dormitories.	Frory Hall.
EARL J. MERRITT, Social Director, Men's Campus.	Eli P. Clark Hall.
VIRGINIA E. KERSEY, Social Director, Women's Campus.	Harwood Court.
MARGARET MAPLE, Alumni Secretary.	202 Sumner Hall.
CLIFFORD N. HAND, Editor of Pomona College Magazine.	217 Sumner Hall.

¹Absent on leave, second semester, 1933-1934.

²Acting Dean of Women, second semester, 1933-1934.

BOARD OF TRUSTEES

GEORGE W. MARSTON, LL.D.	<i>President</i>
FRANK H. HARWOOD	<i>Vice-President</i>
DELL A. SCHWEITZER	<i>Vice-President</i>
CHARLES K. EDMUNDS, PH.D.	<i>President of the College</i>
ERNEST E. JONES	<i>Secretary and Treasurer</i>
GEORGE S. SUMNER, PH.D.	<i>Controller</i>

HONORARY TRUSTEES

CHARLES E. HARWOOD, LL.D.	Upland
The President of Claremont Colleges, <i>Ex Officio</i>	
The President of the Alumni Association, <i>Ex Officio</i>	

Term of Office Expires June, 1933

SUSANNA BIXBY BRYANT	Los Angeles
ARTHUR M. DOLE	Pomona
CHARLES K. EDMUNDS, PH.D.	Claremont
WILLIAM S. MASON	Evanston, Ill.
DELL A. SCHWEITZER	Los Angeles
JOSIAH SIBLEY, D.D.	Pasadena

Term of Office Expires June, 1934

LUTHER FREEMAN, D.D.	Pomona
EDWARD C. HARWOOD	Pasadena
FRANK H. HARWOOD	San Dimas
MARY MCLEAN OLNEY	Berkeley
FRED M. WILCOX	Lamanda Park

Term of Office Expires June, 1935

LLEWELLYN BIXBY	Long Beach
C. STANLEY CHAPMAN	Fullerton
JOHN M. CURRAN	Santa Barbara
MARY CLARK EVERSELE	La Canada
GEORGE W. MARSTON, LL.D.	San Diego

Term of Office Expires June, 1936

JAMES S. EDWARDS	Redlands
WILLIAM B. HIMROD	Los Angeles
ARTHUR J. MCFADDEN	Santa Ana
RALPH J. REED	Los Angeles
JOHN W. SNYDER	San Diego
CARL S. PATTON	Los Angeles

Term of Office Expires June, 1937

ARTHUR S. BENT	Los Angeles
GEORGE L. EASTMAN	Hollywood
EDWIN F. HAHN	Pasadena
SEELEY G. MUDD	Los Angeles
JOHN TREANOR	Los Angeles
RUDOLPH J. WIG	Pasadena

FACULTY¹

- CHARLES KEYSER EDMUNDS 345 College Ave.
President, 1928.
B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.
- EDWIN CLARENCE NORTON 145 W. Seventh St.
Dean of the Faculty and Professor of the Greek Language and Literature on the Edwin Clarence Norton Foundation, Emeritus, 1888.
B.A., Amherst College; M.A., Amherst College and Yale University; Ph.D., Carleton College; D.D., Pacific Theological Seminary. Graduate Student, Johns Hopkins, Columbia and Oxford Universities.
- FRANK PARKHURST BRACKETT 270 E. Third St.
Professor of Astronomy on the Frank Parkhurst Brackett Foundation and Director of the Observatory, Emeritus, 1888.
B.A., Dartmouth College; M.A., Dartmouth College; Sc.D., Dartmouth College. Honorary Fellow, Clark University.
- PHEBE ESTELLE SPALDING 261 W. Fifth St.
Professor of English Literature on the Phebe Estelle Spalding Foundation, Emeritus, 1889.
B.L., Carleton College; M.L., Carleton College; Ph.D., Boston University.
- GEORGE GALE HITCHCOCK 721 College Ave.
Professor of Physics, Emeritus, 1892.
B.A., University of Nebraska. Graduate Student, Johns Hopkins and Cornell Universities.
- GRACE ELLA BERRY 353 W. Eleventh St.
Associate Professor of Mathematics, 1909.
Dean of Women, 1909-1927.
B.S., Mount Holyoke College; M.A., Mount Holyoke College.
- MENDAL GARBUTT FRAMPTON 927 Harvard Ave.
Professor of the English Language, 1904.
B.A., Illinois College; M.A., Illinois College; M.A., Harvard University. Graduate Student, Harvard and Chicago Universities.
- WILLIAM ATWOOD HILTON 1293 Dartmouth Ave.
Professor of Zoology on the Willard George Halstead Foundation, 1905.
B.S., Cornell University; Ph.D., Cornell University.

¹Arranged in order of appointment to present rank. The date in each case denotes the beginning of original term of service.

BERNARD CAPEN EWER

706 Indian Hill Blvd.

Professor of Psychology, 1916.

B.A., Brown University; M.A., Brown University; Ph.D., Harvard University.

RALPH HAINE LYMAN

357 W. Tenth St.

Professor of Applied Music, Head of Department of Music, 1917.

B.A., Grinnell College. Student in voice with Karleton Hackett, William B. Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes Cowper and other American masters and with Vittorino Moratti in Berlin.

MARO BEATH JONES¹

125 W. Eleventh St.

Professor of Romanic Languages, 1911.

B.A., Boston University; M.A., Boston University. Graduate Student, Universities of Chicago, Geneva and Barcelona.

WILLIAM EVAN NICHOLL

465 W. Sixth St.

Dean of the College and Professor of Education, 1919.

B.A., Bellevue College; M.A., Columbia University. Graduate Student, Edinburgh University.

HOMER ELMER ROBBINS

487 Harrison Ave.

Professor of Classical History and Language, 1915.

B.A., University of Michigan; M.A., University of Michigan; Ph.D., University of Michigan.

ROBERT CHARLES DENISON¹

232 W. Fifth St.

Professor of Philosophy on the Robert C. Denison Foundation, 1920.

B.A., Amherst College; B.D., Andover Theological Seminary; D.D., Amherst College.

RAYMOND CUMMINGS BROOKS

489 W. Sixth St.

Professor of Religion on the Nancy M. Lyon Foundation, 1921.

B.A., Tabor College; B.D., Yale Divinity School; D.D., Tabor College and Whitman College. Graduate Student, Oberlin College.

BRUCE MCCULLEY

821 Dartmouth Ave.

Professor of English Literature, 1921.

B.A., Hiram College; M.A., University of Chicago; Ph.D., Harvard University.

WILLIAM KIRK

705 Indian Hill Blvd.

Professor of Social Economics on the Henry Snyder Foundation, 1922.

B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

WILLIAM POLK RUSSELL

506 E. Sixth St.

Professor of Mathematics on the Joseph W. Fiske Foundation, Emeritus, 1904.

B.A., Cumberland University; M.A., Cumberland University. Graduate Student, Columbia, Harvard and Yale Universities.

¹Absent on leave, 1933-1934.

- GEORGE SAMUEL BURGESS 1175 College Ave.
Professor of Law and Secretary of the Faculty, 1918.
 B.A., University of Michigan; J.D., University of Michigan.
- EUGENE WHITE NIXON 1034 Harvard Ave.
Professor of Physical Education for Men, 1916.
 B.A., Monmouth College; M.A., Columbia University. Graduate Student, Illinois and California Universities.
- FRANK WESLEY PITMAN 116 E. Twelfth St.
Professor of History on the Warren Finney Day Memorial Foundation, 1924.
 Ph.B., Yale University; M.A., Yale University; Ph.D., Yale University.
- ROLAND R. TILESTON 1129 Dartmouth Ave.
Professor of Physics on the Seeley W. Mudd Foundation, 1925.
 B.A., Dartmouth College; M.A., Dartmouth College; D.Sc., Colorado College.
- RUSSELL McCULLOCH STORY 127 W. Eighth St.
Professor of Political Science, 1925.
 B.A., Monmouth College; M.A., Harvard University; Ph.D., Harvard University.
- CHARLES TABOR FITTS 826 Harvard Ave.
Registrar and Assistant Professor of English, 1919.
 B.A., Amherst College; M.A., University of California. Graduate Student, Harvard University.
- PHILIP ALEXANDER MUNZ 1165 Indian Hill Blvd.
Professor of Botany on the Henry Kirke White Bent Foundation, 1917.
 B.A., University of Denver; M.A., University of Denver; Ph.D., Cornell University. Graduate Student, University of Chicago.
- KENNETH DUNCAN² 1100 Harvard Ave.
Professor of Economics on the Stedman-Sumner Foundation, 1926.
 B.A., Wabash College; M.A., University of Wisconsin; Ph.D., University of Michigan.
- ALFRED OSWALD WOODFORD 443 W. Tenth St.
Professor of Geology, 1915.
 B.A., Pomona College; Ph.D., University of California.
- JESSIE EDITH GIBSON²
Dean of Women on the Martha N. Hathaway Foundation, 1927.
 B.A., University of Idaho; M.A., University of Washington. Graduate Student, California and Columbia Universities.

²Absent on leave, second semester, 1933-1934.

- CHARLES JUDSON ROBINSON 809 Indian Hill Blvd.
Professor of Chemistry on the Carnegie Foundation, 1927.
 B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins University.
- EDWARD TAYLOR 1022 Harvard Ave.
Professor of Engineering Mathematics, 1920.
 C.E., University of Minnesota; M.A., University of Southern California.
 Graduate Student, University of Oregon.
- EDWARD MCCHESENEY SAIT 238 E. Seventh St.
Professor of Political Science, 1928.
 B.A., Toronto University; M.A., Toronto University; Ph.D., Columbia University.
- CHESTER GEORGE JAEGER 833 Indian Hill Blvd.
Professor of Mathematics, 1931.
 B.A., University of Missouri; Ph.D., University of Missouri.
- ROBERT SIDNEY ELLIS 1120 Harvard Ave.
Professor of Psychology, 1931.
 B.A., University of Arkansas; Ph.D., Clark University.
- WALTER ALFRED ALLEN University Club, 8th and Amherst
Professor of Musical Theory and Appreciation, 1912.
 B.A., Beloit College; B.Mus., Yale University. Associate, American Guild of Organists.
- EVERETT SAMUEL OLIVE University Club, 8th and Amherst
Professor of Piano, 1923.
 B.Mus., Simpson College. Graduate Student, Simpson College. Pupil of Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.
- JOSEPH WADDELL CLOKEY Via Los Altos
Professor of Organ, 1926.
 B.A., Miami University. Graduate, Cincinnati Conservatory of Music.
- WILLIAM HOOD SIMPSON 188 W. Seventh St.
Professor of Military Science and Tactics, 1932.
 Graduate, U. S. Military Academy; Graduate, Advanced Course, Infantry School; Distinguished Graduate, Command and General Staff School; Graduate, Army War College. Major, Infantry, U. S. Army.
- HOWARD HUNT PATTEE
Director of Admissions, 1932.
 B.A., Pomona College; M.A., Stanford University; Graduate Student, Columbia University.

ELLIOTT CURTIS LINCOLN

472 W. Tenth St.

Associate Professor of English Literature, 1924.

B.A., Colby College; M.A., State College of Washington and Harvard University.

BENJAMIN DAVID SCOTT

828 College Ave.

Associate Professor of Public Address, 1923.

B.A., University of Southern California; S.T.B., Boston University; Ph.D., Boston University. Graduate work, Boston, Brown and Harvard Universities.

ELIZABETH KELLEY

Maryland Ave.

Associate Professor of Physical Education for Women, 1928.

B.A., University of Wisconsin; M.A., New York University.

WALTER TICKNOR WHITNEY

445 W. Tenth St.

Associate Professor of Astronomy, 1929.

B.S., M.S., Pomona College; Ph.D., University of Chicago.

JAMES WHITE CROWELL

1278 Yale Ave.

Associate Professor of Spanish, 1929.

B.S., Haverford College; M.A., Haverford College; Ph.D., Cornell University.

WILLIAM HENRY COOKE

226 W. Eighth St.

Associate Professor of History, 1927.

B.A., Pomona College; M.A., Pomona College; Ph.D., Stanford University.

ROBERT TRESILIAN BELCHER

452 W. Sixth St.

Assistant Professor of Mathematics and Engineering, Emeritus, 1907.

B.A., Queen's University. Graduate Student, Queen's College and University of California.

CLIFFORD NOTT HAND

1045 Yale Ave.

Assistant Professor of Religion and Editor of College Magazine, 1919.

B.L., Pomona College; B.D., Pacific School of Religion; M.A., University of Southern California. Graduate Student, University of California.

RALPH RAYMOND UNIACKE

160 W. Eleventh St.

Assistant Professor of Violin, 1923.

Pupil of Franz Milcke.

FRANCIS GARRITT GILCHRIST

1040 College Ave.

Assistant Professor of Zoology, 1924.

B.A., University of California; Ph.D., University of California.

COLVIN HEATH

462 Baughman Ave.

Assistant Professor of Physical Education for Men, 1922.

B.A., Pomona College. Graduate Student, Pomona College.

- ROBERT LOBINGIER STREHLE 1019 Dartmouth Ave.
Assistant Professor of Physical Education for Men, 1923.
B.A., Pomona College. Graduate Student, Pomona College and Stanford University.
- FRANCIS RAYMOND IREDELL 1060 College Ave.
Assistant Professor of Philosophy, 1925.
B.A. Pomona College; M.A., Harvard University.
- ROSA FRIEDA BISSIRI 1035 Harvard Ave.
Assistant Professor of French, 1920.
B.A., Kreuzlingen College, Switzerland.
- THOMAS MONTAGUE BEGGS 424 W. Tenth St.
Assistant Professor of Art, 1926.
B.F.A., Yale University. Graduate, General Art Course at Pratt Institute.
- MARGARET HUSSON Maryland Ave.
Assistant Professor of Spanish, 1925.
B.A., University of Kansas; M.A., Columbia University; Graduate Study, Centro de Estudios Históricos, Madrid.
- HAROLD DAVIS 157 E. Tenth St.
Assistant Professor of English, 1927.
B.A., Stanford University; B.A. and B.Litt., Oxford University.
- EMILIE ELIZABETH WAGNER 245 W. Tenth St.
Assistant Professor of German, 1928.
B.A., Smith College; M.A., Pennsylvania State College. Graduate Student, Columbia University, Middlebury College, Sorbonne, Université de Paris.
- WESLEY GLICK LEIGHTON 121 W. 6th St.
Assistant Professor of Chemistry, 1931.
B.A., Pomona College; M.A., Harvard University; Ph.D., Harvard University.
- HERBERT EDWARD GRAY 1035 Harvard Ave.
Assistant Professor of Music, 1931.
B.Mus., University School of Music, Lincoln, Nebraska; Pupil in voice of Adolph Engstrom, Evan Williams, and others; in cello of George Pierce, Bruno Steindel, and others.
- HOLLAND SPENCER CHAMNESS 1269 Harvard Ave.
Assistant Professor of Military Science and Tactics, 1931.
Graduate, Infantry School, Basic Course. Captain, U. S. Army.
- MARION JEANETTE EWING 487 W. Sixth St.
Acting Librarian, 1912.
B.A., Olivet College; B.S., Simmons College; M.A., Boston University.

- CURTIS HAUPT 487 Harrison Ave.
Assistant Professor of Physics, 1930.
 B.A., Colorado College; M.A., University of California. Ph.D., University of California.
- LEON HOWARD 217 W. 11th St.
Assistant Professor of English, 1930.
 B.A., Birmingham-Southern College; M.A., University of Chicago; Ph.D., Johns Hopkins University.
- ERNEST ALBERT STRATHMANN Eli P. Clark Hall
Assistant Professor of English, 1932.
 B.A., M.A., Ph.D., Johns Hopkins University.
- NORMAN THEODORE NESS
Assistant Professor of Economics, 1928.
 B.A., Carleton College; M.A., University of California; Graduate Student, Harvard University.
- CARL BAUMANN University Club, 8th and Amherst
Assistant Professor of German, 1931.
 Ph.D., University of Basel.
- GORDON SUTHERLAND 235 W. 9th St.
Assistant Professor of Piano, 1931.
 B.Mus. and M.Mus., American Conservatory of Music.
- EARL JAY MERRITT Eli P. Clark Hall
Instructor in Physical Education, and Freshman Class Adviser, 1925.
 B.A., Pomona College.
- MARY C. LOVE 466 W. Sixth St.
Head of Library Loan Department, 1929.
 B.A., M.A., Stanford University.
- VIRGINIA FAIRFAX PRINCEHOUSE
Instructor in Dramatics, 1930.
 B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.
- ADA COOPER CAWSEY 990 N. Park Ave., Pomona
Instructor in Physical Education for Women, 1930.
 B.S., University of Wisconsin.
- LOUISE OTIS 424 W. 6th St.
Instructor in Chemistry, 1931.
 B.A., Northwestern University; Ph.D., Northwestern University.
- LUCILLE STEVENSON 626 Yale Ave.
Instructor in Voice, 1931.
 Student of Charles W. Clark, Alice Prince Miller and Rita Bastiannini.

MARTHA ROWENA STAVELY 419 Yale Ave.
Instructor in Music, 1931.
B.M. and B.A., University of Redlands. M.A., Claremont Colleges.

JOSEPHINE RENSHAW
Instructor in Physical Education for Women, 1933.
B.S., University of Wisconsin; Graduate Student, Wellesley College.

INA ADELINE NELSON 270 W. Sixth St.
Instructor in History, 1931.
B.A., University of Arizona; M.A., Claremont Colleges.

DEPARTMENTAL LECTURERS

AUBREY AUGUSTUS DOUGLASS 275 W. Tenth St.
Lecturer in Education, 1926.
Professor of Education, Claremont Colleges.
B.A., Kansas State Teachers College; M.A., Ph.D., Clark University.

HORACE JEREMIAH VOORHIS San Dimas
Lecturer in History, 1929.
B.A., Yale University; M.A., Claremont Colleges.

JESSE JOSEPH COLEMAN 870 N. Towne Ave., Pomona
Lecturer in Public School Music, 1927.
B.Mus., Chicago University. Pupil of Percy Rector Stephens and DeWitt Durgin Lash.

CYRIL JURECKA 163 W. 11th St.
Lecturer in Sculpture, 1932.
Graduate, Imperial and Royal College of Sculpture, Horice, Czechoslovakia.

ASSISTANTS

DORIS EMILY CLAYTON 308 Alexander Ave.
Assistant in Biology, 1931.
B.A., San Diego State College; M.A., Claremont Colleges.

ANNA MARGARET WALKER
Assistant in Physical Education, 1932.
B.A., Pomona College.

TREWHITT FAIRMAN HARRISS
Assistant in Geology, 1933.
B.A., Pomona College; Graduate Student, University of California.

RALPH SANDUSKY ASHTON
Assistant in Physics, 1933.

CHARLES ELBERT GRAYSON
Assistant in Physics, 1933.

FACULTY COMMITTEES

1933 - 1934

ACADEMIC PROCEDURE—Robinson, Gibson, Burgess, Munz, Nicholl, Sait, Tileston, Ewer.

ADMINISTRATION—Nixon, Robinson, Robbins, Tileston, Woodford.

ADMISSION—Pattee, Fitts, Nicholl, Gibson, Davis.

ATHLETIC COUNCIL—Nixon, Woodford, Lincoln, Nicholl, and three student representatives.

ATHLETIC CONFERENCE—Woodford, Nicholl, Nixon.

CLASSIFICATION—Fitts, Taylor, Ellis, Pattee

COLLEGE LIFE—Nicholl, Gibson, Duncan, Brooks, Merritt.

President and Vice-President Associated Students, consulting members on call.

CONVOCATION—Nicholl, Burgess, Lyman, Scott.

COURSES OF STUDY—Burgess, Sait, Jaeger, Fitts, Tileston, Gibson, McCulley, Crowell.

ENGLISH—Davis, Leighton, Husson.

HEALTH—Nixon, Kelley, Nicholl, Gibson.

HONORS—Woodford, Robinson, Nixon, Pitman, Crowell, Cooke, Ellis.

LECTURES, PUBLIC EVENTS AND COMMENCEMENT—Burgess, Nicholl, Lyman, W. J. Howard.

LIBRARY—Duncan, Ewing, Burgess, McCulley, Baumann.

PUBLICATIONS—Hand, Burgess, Lincoln, Cleverdon, Story, Maple, Glen Turner.

RELIGIOUS INTERESTS INCLUDING CHAPEL—Brooks, Nicholl, Lyman, Jaeger.

ROOMS—Burgess, Taylor, Hilton.

SCHOLARSHIPS—Story, Gibson, Nicholl, Tileston, Allen, Iredell.

STUDENT AID—Pattee, Hand, Nicholl, Gibson, Cleverdon.

GENERAL INFORMATION

EARLY DAYS

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt the founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the first Board of Trustees by the General Association of Congregational Churches of Southern California. The present President of the Board of Trustees, Mr. George W. Marston of San Diego, was one of these original trustees.

The College was incorporated October 14, 1887. The work of instruction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel in Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the College. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrolment has been held at approximately 750 divided equally between men and women and among the four classes.

A NEW DEPARTURE

The imperative demand for expansion led to the adoption under the inspiring leadership of President James A. Blaisdell, of the group plan of affiliated colleges, in which the obvious advantages of the small college are retained while still making possible the gathering together of the equipment that is justified only in a large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps, whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

These three institutions, Pomona, Scripps and Claremont, are independent but cooperate in the establishment of certain mutual facilities. In approved cases, there is also an exchange of classroom privileges between the colleges. Certain functions such as the summer school, graduate and research work are carried on in cooperation. The buildings and facilities under Claremont Colleges and the laboratories under Pomona are for the use of all. Claremont Colleges, with its own trustees known as "The Board of Fellows" some of whom are also trustees of Pomona or of Scripps, constitutes a central group, focusing a mutual effort, set to return to each member of that group a stimulating and inspiring influence. Through the bequest of the late Seeley W. Mudd, first chairman of its Board of Fellows, and erstwhile a trustee of Pomona College, Claremont Colleges received a fund of one million dollars for the establishment of its work.

CLAREMONT COLLEGES

Thus far the general services undertaken by Claremont Colleges in behalf of the group include the administration of the health service, the development of a central heating plant, the erection and administration of an auditorium seating 2,500, and the erection of a building to house the central library and the common business offices of the group. The inauguration of some special library collections and the subsidy of research projects of members of the faculties are also the forerunners of larger developments under the auspices of Claremont Colleges.

POMONA'S IDEAL

The real heart of the Claremont plan lies not in its provision for graduate study but rather in the enhancement of scholarly life among undergraduates, and Pomona represents the effort to maintain in an exceptionally favorable environment a small independent residence college where the inestimable advantages of intimacy are secured, but where the advantages of ample facilities and intense competition are also secured by its association with these other colleges situated in close proximity to it, and where the selective process assures, as nearly as possible, a company of students who will really profit by college experience.

POMONA'S PROGRAM

From the very beginning Pomona College has maintained a reputation for interest in thorough scholarship rather than in large numbers. Membership in the institution itself is regarded as a scholastic honor. Pomona holds that scholarship should not only be high but also broad and inclusive. It is not a professional school. It insists that the best preparation for life includes not only the ample, generous and complete training of the college course, such as is here given, but also at a later period a thorough and definite professional specialization. The College has been singularly successful in permeating its body of students with these ambitions. A very large percentage of its graduates have taken subsequent professional training, many winning scholastic awards in other institutions.

The courses offered in Pomona College cover the whole range of the humanities and the sciences, while the fine arts, especially music, are duly emphasized. Various combinations of fundamental courses are presented as adequately preparing for later professional studies in engineering, medicine, law, or education.

HONORS WORK

Since September, 1924, Pomona has been developing the so-called honors type of instruction, the purpose of which is to free students of more than average ability from some of the routine requirements such as compulsory attendance in classes, frequent tests and conformity in the study of textbook assignments. Such students are encouraged to limit the scope of their work and to concentrate, in their junior and senior years, in their chosen field of study, preferably in programs composed of one major subject and one or two minors, so that the student may achieve a certain mastery and a sense of unity of knowledge in a fairly large division of learning. The student is offered the opportunity of periodic private conferences with his major adviser, who helps plan his courses and his reading, criticizes his reports, and helps in achieving that integration of learning which constitutes a liberal education.

In a word, Pomona College, in the midst of a very rapidly developing region of Southern California, is endeavoring to maintain the values of a broad cultural preparation for life.

SOCIAL TRAINING AN ESSENTIAL PART OF EDUCATION

In seeking to achieve this purpose Pomona is making use of living conditions, dormitories, dining halls, social intercourse, to an extent and in a way not yet adequately developed in our American colleges generally, as a fundamentally important part of the undertaking.

Dining in the great hall for men or in the women's new hall induces social amenities not acquired otherwise. Exchange dinners between the women's campus and the men's campus afford opportunities for social intercourse and entertainment at no extra expense. The fraternities have their special rooms within the dormitories in close association with the rooms assigned to the members of the several groups.

Pomona's co-educational character greatly increases the culture of its student body. Working together on the highest levels of life, men and women are most likely to associate in mutual respect and dignity. The graduates of this college testify that these relations add to the genuine wholesomeness and rounded worth of the student's life. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it feels obligated to promote the consideration of those age long spiritual aspirations and interpretations which constitute religion and to urge each student to correlate correctly these factors with the discoveries resulting from the application of careful scientific method in all other fields of human investigation. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of his education, to seek an interpretation of his own guided by a critical study of those arrived at by others. It thus seeks to resource the coming generation with a leadership of intellectual capacity, directed will and noble character.

While originally Congregational in organization, the College long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, though nonsectarian.

BUILDINGS AND EQUIPMENT

In addition to the grounds and buildings administered by Claremont Colleges in behalf of both Pomona College and Scripps College, Pomona College itself occupies about one hundred and twenty acres, of which sixty are included in Blanchard Park, about ten in Alumni Athletic Field, and fifty in the campus proper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from the central heating plant operated by Claremont Colleges.

The Mary L. Sumner Hall, named in memory of the wife of Rev. Charles B. Sumner, LL.D., one of the Founders of Pomona College, has been removed from its original site and remodeled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Monson, Massachusetts, reconstructed in 1916 in conformity with more modern plans for buildings and campus, is devoted mainly to chapel and recitation rooms, departmental offices and the offices of the Associated Students.

The Business Office of Pomona College is maintained in Harper Hall, administered by Claremont Colleges.

The Library, the gift of Mr. Andrew Carnegie, is an imposing structure, well adapted to the purposes for which it was built.

The Albert K. Smiley Hall, the first dormitory for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some 105 students besides the House Master and one or more instructors; two additional dormitories accommodating some 165 upperclassmen; Frary Hall, the Dining Hall for Men, the gift of Mr. George W. Marston and others, named in memory of Rev. Lucien H. Frary, a member of the Board of Trustees from 1892 to 1903. Besides the Great Hall which will seat 450, there are three smaller dining rooms for the use of special groups as required.

Harwood Court, a modern and pleasing dormitory which includes Strong Hall, accommodates about one hundred and eighty women, who are also served by the Aurelia Squier Harwood Memorial Dining Hall. The College also maintains several houses, in which similar accommodations can be secured.

The Claremont Inn has both large and small dining-rooms and accommodations for sixty guests.

Rembrandt Hall, the first section of the Art Building, is devoted chiefly to the work of the Department of Art. The upper floor contains studio and work rooms; the lower floor a convenient auditorium of moderate size for exhibits and assemblies.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges, of San Diego offers excellent facilities for the study of music.

The Mabel Shaw Bridges Auditorium, under the auspices of Claremont Colleges, has a seating capacity of 2500 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, though uncompleted, has at present a seating capacity of over 4000.

The Gymnasium, comprising two structures, affords ample equipment for indoor physical training supplementing the various playing fields for men and for women.

The Memorial Training Quarters stands as a remembrance of the Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of those men, Sheldon Gerry, '17, supplemented by those of alumni, students and friends. Alongside the Training Quarters is a modern standard size swimming pool for men.

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, contains the laboratories and lecture rooms of the departments of physics and mathematics.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn Bixby, '01, is designed to be of service to the student in the direct study of the stars.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

The Marine Laboratory, located at Laguna Beach, has nine private rooms for special workers and two general laboratories, as well as storerooms, work rooms and aquarium room.

The Pomona College summer camp at Bluff Lake in the San Bernardino Mountains consists of five cabins, located on the tract of 120 acres given to Pomona College by Mr. J. S. Edwards. The camp, at an elevation of 7,500 feet, is in a region of great and unspoiled natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in their service.

THE LIBRARY

The Library, of 72,544 books and 67,858 pamphlets, has been carefully selected, and is a working library of exceptional value.

The College possesses also the following library collections administered by the main library: The Cook-Baker Biological Library, the Parrish Botany Library, the James A. Lyman Memorial Library of Chemistry, the Astronomical Library, the New England Collection, the Geology Library, the Mason Library of California and Western American History, the Viola Minor Westergaard Art Collection, and the Carnegie Art Collection.

The main Library, the New England and the Mason California Libraries and the Westergaard and Carnegie Art Collections are housed in the Carnegie Library Building; the Cook-Baker Library and the Parrish Library in Crookshank Hall; the Astronomical Library in the F. P. Brackett Observatory; the James A. Lyman Memorial Library and the Geology Library in Mason Hall of Chemistry.

The Library is a depository for the publications of the Carnegie Institution of Washington, and for the United States Government documents. It has a large and well selected list of the most valuable research and general periodicals, including many complete files.

The library of Claremont Colleges, comprising 7500 volumes (including the George Burton Adams Library of English History, the Paul Hensel Library of Philosophy, and the Nollen Library of German Literature) is housed in Harper Hall and is available to all students and instructors.

The library of Scripps College, at present about 7000 volumes, is housed in the Ella Strong Denison Library on the Scripps campus, and its resources are also available to students and teachers in Pomona College.

LECTURE FOUNDATIONS

THE JOSEPH H. JOHNSON FOUNDATION, liberally endowed by Miss Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions. By this means such educators are annually in residence in Pomona College. The opportunity of intimate contact with distinguished instructors thus afforded to undergraduates is a unique privilege, often surpassing the privileges of the classroom of the institution from which these educators come.

THE HENRY D. PORTER FOUNDATION, named in honor of the late Rev. Henry D. Porter, for many years a missionary in China, secures to the institution annually, the extended stay of some prominent worker in the field of Christian Missions. The lecturer upon this foundation commonly shares in the regular classroom work related to the history, geography, politics or religion of the region in which he has been actively at work. This vivid representation of the missionary life is one of the most stimulating features in the spiritual program of the College.

THE CLARK FOUNDATION, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture or course of lectures in the general field of religion.

MUSIC

In order to insure to the entire student body the opportunity of hearing and seeing the great artists of the day, whose public appearance is usually confined to the larger cities, the College cooperates with Scripps College and Claremont Colleges in the introduction each year of a group of the most distinguished masters in the field of music. For the concerts thus afforded an annual ticket is furnished to every full time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of the faculty and by groups are given on Monday evenings.

The College Choir and the Men's and Women's Glee Clubs afford opportunity both for the exercise and for the appreciation of vocal talent.

PUBLIC ASSEMBLIES

It is the practice of the College to give opportunity for the consideration and expression of the common college interests.

On Thursday at 11 a. m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of these addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. Full attendance of both faculty and students is expected at these exercises.

On Tuesday at 11 a. m. a brief devotional Chapel Service is held, attendance at which is voluntary.

A Vesper Service of special music is offered on Sunday from five to five-thirty.

Students are urged to associate themselves for worship with the Claremont Church or those in neighboring communities, in connection with which many forms of religious activity are maintained.

CAMPUS ORGANIZATIONS

THE ASSOCIATED STUDENTS. This association coordinates all student activities. Its officers are chosen by the student body from their own number. All important questions are considered by its executive committee, which is composed of those prominent in such varied lines as athletics, oratory, and the editorship of the Student Life.

ASSOCIATED WOMEN STUDENTS. The women of the student body form a voluntary organization, electing their own officers and committees and holding regular meetings. This organization considers and promotes the special interests of the women.

STUDENT-FACULTY COUNCIL. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular fort-

nightly meetings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for further consideration and action.

CLASS ORGANIZATIONS. Each of the four college classes is organized for the purpose of promoting class social life.

DEPARTMENTAL ORGANIZATIONS. Astronomical Society; El Circulo Espanol; Le Cercle Francais; Il Circolo Italiano; History Club; Mathematics Club; German Club; Science Club.

PHI BETA KAPPA. The Pomona Chapter of Phi Beta Kappa is the Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts, and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

HONOR SOCIETIES. Alpha Delta Mu,—Journalism Fraternity; Gamma Chapter, Alpha Kappa Delta,—Sociology Fraternity; Delta Sigma Rho,—Forensic Fraternity; Ghosts; Honorary Music Club; Mortar Board; Valkyries; Varsity Society.

LOCAL FRATERNITIES. Alpha Gamma Sigma; Kappa Delta; Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Phi Kappa Alpha; Sigma Phi Alpha; Sigma Tau.

LITERARY SOCIETIES. Alpha Kappa; Delta Lambda; Phi Kappa Sigma; Scribblers.

MUSICAL ORGANIZATIONS. Men's Glee Club; Women's Glee Club; Little Symphony Orchestra; Band (R.O.T.C.)

RELIGIOUS ASSOCIATIONS. Young Men's Christian Association; Young Women's Christian Association.

MISCELLANEOUS ORGANIZATIONS. Cosmopolitan Club; Forensic Union; Masquers,—Dramatics; Orchesis,—Dancing; Sigma Sigma,—Riding.

PUBLICATIONS

The stated publications of the College are issued as numbers of the *Pomona College Bulletin*, which is published bi-monthly. These include:

The *Annual Catalog*.

The *Register of Alumni*.

The *Report of the President* and special topical numbers.

Alumni and departmental publications are:

The Pomona College Magazine, devoted to the interests of the College and Alumni.

The Journal of Entomology and Zoology, published under the auspices of the Department of Zoology.

STUDENT PUBLICATIONS

The *Student Life* is published daily except Sunday and Monday by the student body and is devoted to current affairs.

Manuscript is a literary magazine issued four times a year.

The *Metate* is published each year by the Associated Students, and contains material appropriate to a college annual.

The *Hand Book*, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

PHYSICAL ATTENTION

The physical care of students is a matter of special concern to the College and the advantages of unusual attention and opportunity are offered. The climate of Southern California offers an out-of-door life the year round. Supervision is given to athletics in all seasons. A regular physician is on the staff of Claremont Colleges, under whose direction every student on entering has a physical examination. Regular work in physical education is prescribed throughout the four years, and courses in Physiology and Hygiene are given. The medical advice of the College physician is ordinarily available free of charge to all students, subject to certain conditions of hours and location of residence, the College meeting these bills; provided that all nursing, surgical dressing, and medicines as well as medical service in chronic or protracted illness are at the expense of the ill or injured. *The College, however, reserves the right to discontinue this individual medical service at any time without previous notice.*

ATHLETICS. The direction and financial management of athletics rest with the Director of Athletics, who has associated with him as an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general manager there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed by the alumni into athletic grounds admirably equipped and unsurpassed in the Southwest in beauty of setting. First-class tennis

courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, the courses of the Indian Hill Golf Club are available, and athletic exercises and field sports are encouraged by the officers of the institution.

A swimming pool, of the standard size for water polo, and fully equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona enjoy the privileges of the pool at the former institution.

Students are required to maintain a satisfactory standard of excellence in all their studies in order to represent the College on any of its athletic teams or other organizations coming before the public.

LIVING CONDITIONS

All rooms in the College residence halls are rented for the College year. The charge for rent does not include the use of the halls during the Christmas and Spring vacations, when the halls are closed. The residence halls are opened the Saturday before the opening of the College year and closed the second day after commencement.

A deposit of \$10.00 is necessary to reserve a room and should accompany the application for the room. This amount is retained as a breakage fee, from which deductions will be made for individual and communal damages to the building, the balance being returned at the end of the year. This deposit will also be refunded in case the student does not become a resident in the College, provided the room is surrendered before September 1. Rooms are assigned to new students in order of application.

The College reserves the right to dismiss from a dormitory without rebate any student who becomes a disturbing or undesirable occupant.

RESIDENCE FOR MEN

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that all men not actually living at home will live in the college dormitories and board in Frary, the dining hall for men.

Dormitory and dining room privileges are provided only on the basis of an inclusive yearly charge for both board and room, the rate varying from \$375.00 to \$550.00 per year. This charge includes necessary furniture, rugs, bed linen and towels, the laun-

dering of the same and the care of rooms. The only articles to be furnished by the student are blankets and bed spread for a single bed.

Smiley Hall has both single and double rooms and suites of three rooms accommodating two students.

On the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for two students. The other halls have both single rooms and suites.

RESIDENCE FOR WOMEN

It is expected that women students will room in the college residence halls and board at the dining room in Harwood Court. Freshmen are required to reside in Harwood Court. Students living at home or working for room or board may make special arrangements with the Dean of Women.

Harwood Court, the residence hall for women, in which is included the dormitory known as Strong Hall, and the several College Houses which afford residence facilities, have both single and double rooms as well as suites. Each room is provided with the necessary furnishings, including rugs, the only articles to be furnished by the student are linen and covers for a single bed.

Dormitory and dining room privileges are provided on the basis of an inclusive yearly charge for both board and room, the rate varying from \$375 to \$500 per year in the College Houses and from \$400 to \$500 per year in Harwood Court.

EXPENSES

Exclusive of residence facilities, the full cost of maintaining Pomona College exceeds six hundred dollars a year per student. Income from endowment and trust funds applicable to current expense usually covers about one-third of the total cost, the tuition fee as charged is designed to cover one-half, and the balance of one-sixth is left to be covered by voluntary contributions.

ESTIMATE OF GENERAL YEARLY EXPENSES

	Minimum	Average	Generous
General Tuition	\$300	\$300	\$300
Board and Room	375	475	550
Books and Fees	35	45	100
Personal Expenses	125	180	300
Total	<u>\$835</u>	<u>\$1000</u>	<u>\$1250</u>

EXPENSES

TUITION

Regular tuition, including all general privileges, Music Course Ticket, Library privileges, etc., per semester.....\$150.00
 Tuition for students, carrying less than ten units of work, for each such unit, per semester exclusive of above general privileges 15.00
 A visitor's fee of \$10.00 per course is required from those visiting a course of study.

Laboratory fees range from \$2.00 to \$15.00. The exact fee for a given course is stated in connection with the description of that course under *Courses of Instruction*; in advanced courses only does it exceed \$10.00.

BREAKAGE DEPOSITS

Bacteriology and Plant Physiology, \$5.00 each.
 Chemistry, \$10.00 for each course taken.

APPLIED MUSIC

For those paying regular tuition:

One-half hour private lesson per week, per semester.....\$ 45.00
 Each half-hour in excess of one per week, per semester.... 40.00

For those carrying less than twelve hours of college work, exclusive of work in applied music:

One half-hour private lesson per week, per semester..... 60.00
 Each half-hour in excess of one, per semester..... 40.00
 Class lessons in applied music, per semester..... 25.00

PRACTICE FEES

	Per Semester
PIANO, one half-hour daily, \$3.50; one hour daily.....	\$6.00
GRAND PIANO, one hour daily.....	9.00
GREAT ORGAN, one hour weekly.....	7.50
TWO-MANUAL PRACTICE ORGAN, one hour weekly.....	3.00
PEDAL ORGAN, one hour daily.....	9.00
VIOLIN, CELLO, FLUTE, Room without piano, one hour daily.....	1.50

SPECIAL FEES

Application fee, \$2.50.

Dues for Associated Students, per semester..... 5.00

This charge is made upon all regular students by action of the

Associated Student Body. Recognizing the value of the activities supported by this fee, the College requires its payment and reserves the right to approve the budget for which it is spent.

Graduation fee, \$10.00.

Every student expecting to graduate at the end of any given semester must so indicate on his registration card for that semester, and must include the graduation fee with the payment of his other fees at the time of such registration. Failure to indicate such expectation or thus to pay the graduation fee will automatically exclude from graduation that semester.

BILLS

All College bills are due each semester in advance and must be paid by the student at the time of registration. Payment for room and board on an installment plan may be arranged in conference with the Controller at an extra charge of one dollar for each extra payment. No refunds are made to those leaving before the end of the semester except that in the case of those leaving before the middle of the semester because of illness one-half of the tuition and laboratory fees are refunded and in the case of those dropping out for good cause within a week of their registration all but \$25.00 is returned. No refund is made on a room payment unless the room is re-rented to someone not then rooming in a college residence hall.

Students are not given honorable dismissal nor graduated whose bills are not paid. Seniors must settle all recognized bills and Library obligations by four p. m., of the fourth day preceding Commencement if they are to receive their diplomas with their class.

PRIZES

The following prizes are offered for proficiency in the work of the several departments:

ART

THE EUGENE C. CRAMER PRIZES: A first prize of \$15.00 and a second prize of \$10.00 awarded for excellence in drawing and design in work presented for the annual exhibition in May. Given by Mrs. Eugene C. Cramer in memory of her husband, who was an artist.

ASTRONOMY

THE MONCRIEFF ASTRONOMY PRIZE: A prize given to the student in the first year course in Astronomy, taken regularly in

class, whose interest in the study and proficiency in the observatory work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars is given by Miss Flossie C. Moncrieff, '11.

DEBATE

THE DOLE PRIZES: A prize debate upon some subject selected by the faculty is arranged for the close of the second semester. First and second prizes of fifteen and ten dollars, respectively, established by the late Mr. J. H. Dole, in memory of his brother, Mr. W. B. Dole, are endowed by Mr. J. Albert Dole and Mr. A. M. Dole.

DECLAMATION

THE KINNEY PRIZES: A prize declamation contest, open to the members of the Freshman class, occurs near the middle of the year. First and second prizes of fifteen and ten dollars respectively, are endowed by Mrs. H. N. Kinney.

ECONOMICS

THE VAILE PRIZES: Prizes for the best essay or oration on the general subject of Agriculture in Southern California open to the Junior and Senior classes, were endowed by the late Mr. Charles S. Vaile. At present first and second prizes of twenty and ten dollars respectively are offered.

ENGLISH

THE JENNINGS PRIZES: Eight prizes awarded at the end of each semester to Freshmen taking English A1, to the two men and the two women showing the best mastery over written and oral expression and also two to the men and two to the women showing the most gain during each semester in these respects. The total amount of the prizes is \$600.00, the gift of Mr. F. S. Jennings of San Diego.

GENERAL

THE RENA GURLEY ARCHIBALD HIGH SCHOLARSHIP PRIZE: A prize of fifty dollars to be awarded to that member of the graduating class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Reverend Andrew W. Archibald, D.D.

LATIN

THE MUDGE LATIN PRIZES: Prizes for excellence in Latin. First and second prizes of ten and five dollars, respectively, are endowed by friends of the College.

MATHEMATICS

THE LLEWELLYN BIXBY MATHEMATICS PRIZE: A prize for ex-

PRIZES

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cellence in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15. A prize of ten dollars is given by Mr. Llewellyn Bixby.

MUSIC

THE BARBARA SANFORD ALLEN PRIZE: An annual competitive prize of fifty dollars to be awarded to a student of organ playing in the Department of Music. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

PHYSIOLOGY

THE LORBEER PRIZES: Prizes for the best essay on the subject, "How to Keep Well"; open to all who take the course on "The Human Body." First and second prizes of fifteen and ten dollars, respectively, are offered by Dr. Thomas L. Lorbeer, '03.

RELIGION

THE HAGER PRIZES: Prizes for the best essays on a foreign missionary subject, open to all students were endowed by the late Mr. and Mrs. C. R. Hager. At present first and second prizes of twenty and ten dollars respectively are offered.

DEPARTMENTAL SCHOLARSHIPS

ART

THE HANNAH TEMPEST SCHOLARSHIP FUND OF \$5,000. Income to be divided equally between a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

MILITARY

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrolment in the advanced course of the Reserve Officers' Training Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a six weeks' summer training camp. In consideration of this agreement, students receive from the government cash allowances equivalent to scholarships of about \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrolment is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units of preparatory schools will be

given consideration in the selection of those to whom these scholarships will be awarded.

MUSIC

THE KATE CONDIT BRIMHALL MEMORIAL MUSIC SCHOLARSHIP FUND, \$2,000. Given by the late Mr. and Mrs. A. P. Condit.

SPECIAL SCHOLARSHIPS

KAPPA DELTA HONOR SCHOLARSHIP ENDOWMENT OF \$1,801.15. Given by members of Kappa Delta Fraternity.

The income from this endowment is supplemented by individual pledges to yield a scholarship of \$250, administered under a special committee. Awarded to a man at the beginning of his senior year.

THE FLORA SANBORN PITZER MEMORIAL SCHOLARSHIP. \$500 a year from The Sanborn-Pitzer Foundation established by Russell K. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

GENERAL SCHOLARSHIPS

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to make awards to candidates who indicate great promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in schoolmates.
- (3) Physical vigor as shown by interest in outdoor sports or in other ways.

The preferred applicant will excel in all three of the categories listed, but in the absence of such preferred combination the Committee may select an applicant who shows distinction in one of the first two over an applicant who shows a lower degree of promise and excellence in all. In any case interested participation in activities which sustain physical well-being constitutes an essential qualification, though superior skills and excellence in such matters are not given undue weight.

Before making application for a scholarship to the Committee on Scholarships, applicants who are not already students in Pomona College must file application for admission to the College with the Committee on Admissions. In the case of freshmen it is ordinarily expected that they will not have attended any other

college or university. Exceptions to this rule require special committee action. A freshman applicant shall be endorsed by the head of the school from which he comes, and will be required to indicate the subjects, not more than three in number, in which he is prepared to take examinations. Information concerning the time and place of examinations will be furnished immediately following October 15th. The Committee on Scholarships reserves the privilege, in case of doubt, to require further, any special evidence, by examination or interview, which it may deem necessary to determine the candidate's fitness.

SCHOLARSHIPS FOR NEW STUDENTS

FRESHMEN

The following scholarships are available for candidates for admission to the Freshman Class in the academic year 1934-35, half of the stipend being available for the first semester and half for the second:

Four Scholarships of Five Hundred Dollars each, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Dollars each, open to both men and women; two from the Thomas J. Dowling Fund and two from the Margaret Burton Harwood Memorial Fund.

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women: One of these is from the Henry G. Brainerd and Fannie Howard Brainerd Memorial Fund.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory:

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women.

Four Scholarships of One Hundred Fifty Dollars each, two for men and two for women, who are nominated for the same by the California Scholarship Federation.

Applications for above freshmen scholarships, 1934-35, should be made to the Committee on Scholarships by the middle of October, 1933.

Announcement of awards will be made on or before December 10th.

JUNIOR COLLEGE TRANSFERS

The following scholarships are available for candidates from Junior College men or women in the academic year 1934-35, half of the stipend being available for the first semester and half for the second:

SCHOLARSHIPS

One scholarship of Three Hundred Dollars, available to incoming transfers from junior college. On the Margaret Burton Harwood Memorial Fund.

Two scholarships of One Hundred Fifty Dollars each available to incoming transfers from junior college.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory:

Two scholarships of One Hundred Fifty Dollars each available to incoming transfers from junior college, who are recommended for the same by the Junior College Fellowship.

Five scholarships of One Hundred Fifty Dollars each available for incoming students of sophomore or junior standing from among the best qualified applicants for admission.

Applications for above advanced standing scholarships should be made to the Committee on Scholarships on or before March 1st, 1934.

Announcement of awards will be made on or before June 1st

SCHOLARSHIPS FOR MATRICULATED STUDENTS

Twenty-one awards of One Hundred Fifty Dollars each are available on a semester basis for matriculated students, men and women, in any class, during the academic year 1933-34. Of these fifteen are from the Olivia Phelps Stokes Scholarship Fund and three are from the Margaret Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the first semester and ten for the second semester.

Applications for these Scholarships should reach the Committee on Scholarships before May 15th for the first semester of the following academic year and before January 15th for the second semester of the current academic year.

FELLOWSHIPS

The following award may be made for 1934-35 if qualified applicants appear. Applications should be in the hands of the Committee on Scholarships by February 1, 1934.

One WILLIAM LINCOLN HONNOLD FOUNDATION fellowship with a stipend varying from eight hundred to fifteen hundred dollars, as determined by the committee of award, according to circumstances; open to students who have done four full years of work in Pomona College, who are rated in the upper half of the

graduating class, on the basis of their performance during both the junior and senior years, and who wish to continue their studies either in Claremont Colleges or elsewhere in America or abroad.

Should the student selected waive the emolument, the stipend may be paid to the candidate next in rank, while the first student would be designated Honorary Honnold Fellow for the year.

The appointment will be for one year, but satisfactory work and conduct may earn a renewal, so that a really successful candidate may enjoy the fellowship for two or possibly three years, while at the same time a new appointment may be made from the graduating class each successive year.

The prime purpose of the fellowship is to promote scholarship rather than merely to reward faithful classroom work. Preference will be given to candidates preparing for creative rather than professional work, and the selection will be based not on scholarship only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character. The choice of the institution for graduate work is to be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of each year of tenure, each Honnold Fellow is to make a full report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been residing, his plans for the immediate future, and recommendations for the further development or improvement of this fellowship plan.

OTHER AWARDS

The Committee on Scholarships also nominates students of Pomona College who wish to apply for awards by other institutions and foundations. Those who seek nomination to the Rhodes scholarships should advise with the Committee on Scholarships; likewise those who wish to be considered for summer session scholarships at the National University of Mexico. The latter are awarded by the Educational Council of Claremont Colleges to competent applicants from the juniors, seniors, and alumni of Pomona College and Scripps College.

GRANTS IN AID

The income of certain funds is used towards paying the tuition fees of students who are in pecuniary need. Such aid is given

only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in their attendance upon college exercises, and who maintain, after the first semester of the Freshman year, at least "C" grade in their scholastic work.

Aid may be withdrawn at any time from students who prove not to have conformed to the conditions.

Recipients of grants in aid may be called upon to assist the College in ways that do not interfere with their studies.

If a student who has received a grant in aid transfers to another institution before graduation, the total sum granted him by Pomona College shall become a loan, repayable according to the terms applicable to regular student loans.

The College aims to realize the ideal that no student worthy of graduation should withdraw ahead of time for purely financial reasons. To that end the Administration welcomes the opportunity to confer with students who need assistance.

Grants to incoming students are available only after they have successfully completed one semester's work in the College. Applicants for admission who desire a grant should write to the Chairman of the Committee on Student Aid, transmitting two letters, one from parent or guardian and the other from principal or teacher, giving information concerning need, character and attainments.

All applications for aid should be made before May 1st for the first semester of the following academic year and before January 15th for the second semester of the current academic year. Address Committee on Student Aid, Sumner Hall.

STUDENT AID FUNDS

GENERAL

THE FRANCIS BANCROFT MEMORIAL FUND, \$1,500. Given by Mrs. James T. Ford of Los Angeles, California, in memory of her father.

THE BARROWS FUND OF \$2,500. Given by L. H. Barrows of Pasadena, California.

THE H. G. BILLINGS MEMORIAL FUND, \$1,000. Given by Mrs. E. A. Billings of Los Angeles, California, in memory of her husband.

THE FLORENCE G. BIXBY FUND, \$5,000. Given by Florence G. Bixby of California.

THE BRISTOL MEMORIAL FUND, \$400. A fund raised as a memorial to the Reverend Sherlock Bristol.

THE BESSIE A. BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of Bessie A. Brown.

THE HENRY HERBERT BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of her son.

THE CLASS OF 1918 FUND OF \$961.78. Given by the Class of 1918.

THE CHARLES C. CRAGIN MEMORIAL FUND, \$5,025. Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles C. Cragin.

THE AGNES K. CRAWFORD MEMORIAL FUND, \$1,000. Given by David R. Crawford and William Crawford, in memory of their mother.

EBELL CLUB OF POMONA STUDENT AID FUND, \$1,000.
To help, preferably, a girl.

THE ELWOOD FUND OF \$2,600. Given by Mary E. Elwood of Redlands, California.

THE FORD FUND OF \$2,500. Given by Rev. James T. Ford of Los Angeles, California.

THE FOWLER FUND OF \$1,000. Given by Mrs. Margaret Fowler of Pasadena, California.

THE ORREN A. GORTON FUND OF \$5,000. Established by the will of Orren A. Gorton of Sherburne, New York.

THE EMMA K. GUILD FUND OF \$44,329.88. Given by Emma K. Guild of Claremont, California.

THE MANETTE HAND MEMORIAL FUND OF \$1,500.

THE ALFRED JAMES HARWOOD MEMORIAL FUND, \$8,000. Given by Alfred P. Harwood of San Dimas, in memory of his son.

THE CHARLES E. HARWOOD FUND OF \$5,000. Given by Charles E. Harwood, LL.D., of Upland.

THE THOMAS F. HOWARD "MEMORIAL SCHOLARSHIP FUND," \$3,500. Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.

THE MARY MARVIN JANES FUND OF \$296.93. Given by Mary Marvin Janes of Pasadena, California.

THE KUNS FUND OF \$2,000. Given by Henry L. Kuns of La Verne.

THE LOOMIS FUND OF \$2,000. Given by Miss Jean Loomis, '97.

THE HOWARD J. MILLS MEMORIAL FUND OF \$3,000. Given by

Mrs. Howard J. Mills of Los Angeles, California, in memory of her husband.

THE ONTARIO CONGREGATIONAL CHURCH FUND, \$186.50. Given by the Ontario Congregational Church towards the endowment of a fund.

THE PAGE FUND OF \$5,000. Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may at some time be used for other purposes.)

THE ARTHUR WARREN PHELPS MEMORIAL FUND, \$2,000. Given by Mrs. C. S. Phelps and Mr. C. A. Phelps, in memory of their son and brother.

THE LYDIA PHELPS MEMORIAL FUND, \$4,000. Given by Hiram E. Phelps of Ontario, California, in memory of his wife.

THE PILGRIM CHURCH OF POMONA FUND, \$1,667.44. Given by the Pilgrim Congregational Church of Pomona.

THE PILGRIM CHURCH WOMEN'S AUXILIARY FUND, \$500. Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.

THE JOHN D. POTTER MEMORIAL FUND, \$2,000. Given by Mrs. S. T. Potter of Westboro, Massachusetts, in memory of her husband.

THE SEARING FUND OF \$1,800. Given by Dr. Anna H. Searing of Escondido, California.

THE WALTER O. SHATTO MEMORIAL FUND, \$4,000. Given by Mrs. Clara R. Shatto in memory of her husband.

THE CLYDE H. SHIELDS MEMORIAL FUND, \$1,200. Given by R. P. Shields of San Diego, in memory of his oldest son, who was drowned in 1894, when about twenty-one years of age.

THE SWEET MEMORIAL FUND OF \$2,500. Given by Harlan P. Sweet in memory of his wife, C. Nell Sweet.

THE THATCHER FUND OF \$6,000. Given by Miss Susan E. Thatcher of San Diego.

THE WARDWELL FUND OF \$1,000. Given by Mrs. Maria T. Wardwell of Plymouth, Connecticut.

THE CLARA B. WATERMAN MEMORIAL FUND OF \$5,000. Given by Miss Rosa May Bennett of Los Angeles.

THE WEST FUND OF \$2,000. Given by Henry S. West of Los Angeles.

SPECIAL

"CROMBIE ALLEN SCHOLARSHIP FUND" OF \$1,000, half of the income available annually to a graduate of *Chaffey Union High*

School and half to a graduate of Chaffey Junior College of Ontario, California.

"ALICE PAUL HARWOOD SCHOLARSHIP FUND" of \$5,000. Open to graduates of *Chaffey Union High School* of Ontario.

THE MABEL S. BRIDGES MEMORIAL FUND, \$3,500. Given by Mr. and Mrs. A. S. Bridges of San Diego, California, in memory of their daughter. Available for *women*.

"STELLA M. KING SCHOLARSHIP AND LOAN FUND FOR WOMEN," \$10,000.

THE FRANCIS M. PRICE FUND OF \$1,000. For *children of missionaries*.

THE MARTHA E. BERRY MEMORIAL FUND OF \$5,000. Given by Miss Elizabeth E. Berry. For *foreign* students.

LOAN FUNDS

The College also administers loan funds established by the bequest of Ellen H. Lyman and by George H. DeKay, Jr., in memory of his brother Frelin Campbell DeKay. By means of these funds, it is possible to co-operate in a moderate way, and temporarily, with the pressing needs of students.

THE RAY LOAN FUND made possible by the gift of \$1,000 by Mrs. E. F. Ray provides a means of meeting situations of temporary need.

THE LUCY B. JENCKS MEMORIAL STUDENT LOAN FUND of \$150, established by the Claremont Chapter of the D. A. R., available for a senior girl to be designated by the Dean of Women.

For more substantial loans over a longer period, the College administers the following funds on an interest bearing basis:

THE CAROLINE PHELPS STOKES FUND, endowed in the sum of \$25,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister.

THE ETHAN ALLEN CHASE AND AUGUSTA FIELD CHASE MEMORIAL FUND OF \$5,000, for men.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

SELF SUPPORT

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many are thus helping themselves by various forms of labor such as janitor

work, waiting on tables, general house work, gardening and the like. The most desirable positions are in general secured by upperclassmen who have proven themselves good workers and good students, and those coming to the College for the first time should be content if any work which they can satisfactorily do is secured for them. Students in any case should come prepared to pay all bills for at least one semester. Their record during this semester will be a large factor in deciding what opportunities for self-help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

ADMISSION

PREPARING FOR COLLEGE

The College welcomes tentative applications from prospective students a year or so in advance and is glad to offer suggestions regarding the best preparation for admission.

Any person interested in preparing for Pomona, or any Principal, Vice-Principal or Counsellor who is responsible for directing the preparatory programs of students is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific programs. It is often possible for students to select work in their final high school years that will add greatly to their ability to do college work. The Director of Admissions is glad to cooperate with the preparatory schools in planning satisfactory programs for any individuals, whether or not they are Pomona College applicants.

Anyone interested may have his records evaluated at any time. By having this done early subsequent admission difficulties may be avoided.

For further information, write to Director of Admissions, Sumner Hall, Pomona College, Claremont, California.

GENERAL REQUIREMENTS AND METHODS OF ADMISSION

Inasmuch as the College expends on its educational work twice as much as it receives from tuition fees, thus making an investment of three hundred dollars a year in every student admitted to its halls, the College naturally is justified in rendering this service only to those who are properly qualified to profit thereby both in their own development and in their subsequent service to society.

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments. Any student who falls below grade in scholarship, or who, for any reason, in the judgment of the faculty or its proper committees, is felt not to be a desirable member of the student body, may be dismissed without specific charges.

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the fullest participation in the college atmosphere and life. It is important, therefore, that all absence through the college year should be avoided. Some of the most important of the college values are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

It is the purpose of Pomona College to do a distinctly high grade of work, thus preparing its graduates for special achievement in whatever later callings they may choose. While Pomona College emphasizes the value of a broad general training as preliminary to the highest achievement in any professional field, it offers such a variety of courses that many students readily find the desired combination which constitutes a definite and adequate preparation for later professional training in a special field such as medicine, law, engineering, scientific research, religious or social service, teaching or other fields. Candidates for admission are expected to present satisfactory evidence of their fitness for college, both in character and in scholarship.

Formal application should be accompanied by a fee of two dollars and fifty cents.

A medical examination conducted by an authorized physician, under the direction of the College, is required of all students.

An applicant for admission, immediately upon receipt of notification of acceptance, is required to make a deposit of twenty-five dollars on the tuition of the first semester.

ADMISSION TO FRESHMAN STANDING

Applicants are admitted to freshman standing in three ways:

First: Certificate from an approved school or college.

Students from approved schools or colleges are admitted without examination on presentation of a certificate signed by the principal or proper official and showing in detail the requisite

completed courses. Certificate blanks obtained from the principal should be filled out and returned as early as possible after the completion of the first semester of the senior year.

Second: Examination by the College.

Third: Certificate of the College Entrance Examination Board.

Examinations are given by the College Entrance Examination Board at certain times and places, which may be learned from the Director of Admissions or from principals of secondary schools.

ENTRANCE UNITS

Fifteen units of recommended work is the normal requirement for admission. In rare cases an applicant offering twelve recommended units, supplemented by special recommendations of principals and references and by scholastic aptitude tests indicative of ability to do college work with success, may be accepted.

A "unit" represents a course of study in one subject of high school grade involving five forty-five minute recitations per week or an equivalent for a school year. Laboratory periods should be at least twice the length of recitation periods.

Not less than one unit in any subject is normally accepted though a half unit may be accepted when accompanied by units for courses in allied subjects.

ENTRANCE SUBJECTS

The only specific requirement is at least 3 units of English. In addition to this, applicants will find it advantageous to present the following as part of the fifteen units required: at least 1 unit of one foreign language; 1 unit each of history, algebra, geometry, and laboratory science; and 3 or more units of electives from the following subjects: English, foreign language, history, mathematics and laboratory science.

For advanced work in most fields, a reading knowledge of at least one modern foreign language is necessary, usually French or German. In some fields, a command of both is desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college. Students who are planning to do advanced work in the Physical Sciences or in Mathematics will do well to take both Trigonometry and Solid Geometry in High School if possible.

Those are matriculated to full standing who at the end of a semester's residence meet the requirements (see Matriculation); those who do not meet the requirements are not allowed to matriculate and are enrolled as in partial standing. No student in partial standing is recommended to college standing in another institution.

ADVANCED STANDING

Students transferring from Junior College or from other institutions who have sufficient credit therefrom are admitted to advanced standing on credentials signed by the proper officials and giving full specifications concerning the nature of the courses taken and the time spent in each, together with their rank in each subject.

Credit, varying in amount with the individual courses, may be granted for graduate work in approved High Schools.

ADMISSION AS SPECIAL STUDENTS

Mature students, particularly those equipped for advanced studies in special departments, may be admitted as special students to courses for which, by ability and preparation, they may be fitted. Special students are not candidates for a degree.

PRE-REGISTRATION AND REGISTRATION

On appointed days, on or before the first Saturday in June, *all student students must fill* out a schedule listing their choice of subjects for the following year.

New students prepare a program of study on announced days the opening of each semester.

Registration is completed by the payment of tuition and fees on one of the regularly announced days preceding the opening of the class work of each semester.

The fee for late pre-registration or late registration is \$2.00 for the first or second day following the appointed days, and \$1.00 additional for every day thereafter.

CHANGES IN REGISTRATION

A student has the privilege of modifying his schedule of studies by addition, substitution, or discontinuance of courses with the consent of his adviser and the instructors concerned, at any time

within two weeks of the beginning of class work. Thereafter the dropping of courses by a student shall entail for him a grade of FF for the course, except as circumstances may, in the judgment of the instructor, warrant a different grade.

The fee for each change of schedule is one dollar (\$1.00). This fee is waived in the case of new students registering for the first time.

Students are admitted to those courses only for which they are formally registered.

Students are not received later than the last day set for change of schedule.

MATRICULATION

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the standing of all new students is provisional until after they have been in residence for one semester. At that time those are matriculated who have shown themselves in accord with the spirit of the College and who have done a satisfactory quality of work during their semester of residence.

Quality of work satisfactory for matriculation has been defined by the Faculty, thus:

"Matriculants must have carried the work of their first semester of residence without incurring any FF grades, and they must if Freshmen, have earned at least 24 grade points, and if Sophomores or Upperclassmen, at least twice as many grade points as the number of units for which they were registered. Students in any class carrying less than 12 units must have made twice as many grade points as the units for which they were registered.

Students failing to matriculate at the end of the first semester of residence may be matriculated only after they have met all the requirements for two semesters.

Students are not candidates for a degree nor are they eligible for recommendation to college standing in another institution until they have matriculated. All students must be matriculated before attaining to Junior standing.

SUPERVISION OF SCHOLARSHIP

Amount:

The College regulates the amount of work a student may carry as follows:

15 or 16 units of academic work, exclusive of Physical Education (Gymnastics, Sports, Activities*) Military Drill* and Choir,* is the general registration and the maximum for Freshmen.

To register for 17 units, exclusive of work stated in the preceding paragraph, a student must have earned 32 more grade points than the total number of units for which he registered the previous semester; to register for 18 units, 40 more grade points.

To register for less than 12 units of academic work requires special permission.

Quality:

At the end of the first month of each semester, and also at or near the middle of each semester, a report is made of all students doing failing or unsatisfactory work for the period preceding the date of the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good scholastic standing. Advisers and advisors receive such reports and take such steps as are advisable in each individual case.

At the end of each semester a complete report is made on every student. This report becomes part of the student's record and indicates the semester's standing in the courses for which he has been registered.

A student is expected to secure each semester twice as many grade points as the total number of units of registration.

A student is dismissed for low scholarship on the following basis:

At the beginning of *any semester* if his total grade points are equal or less than equal to the units (semester hours) for which he is registered.

At the beginning of the *third semester* of the college course, if his deficiency in grade points is ten or more;

At the beginning of the *fourth semester* if his deficiency in grade points is ten or more;

The semester hour value of each of these is as follows: Phy. Ed., 1 to 1½; Mil. Drill, ½; Choir, 1.

At the beginning of the *fifth and succeeding semesters*, if record does not have the ratio of twice as many grade points units (semester hours) for which he is registered.

Departure from the above procedure may be permitted in special cases by concurrent action of the Classification and College Life Committees.

Withdrawing From a Class:

Students may withdraw from classes only through authorization from the Registrar's Office. This authorization is sent to the office directly to the instructor.

Faculty Dropping Students:

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at any time later than six weeks from the beginning of the course. The student's class card, with a grade of either FF or W for the course and an annotation reporting the fact of his having been dropped, shall be turned in to the Registrar's Office.

Class Attendance:

Students are expected to maintain regular attendance at class appointments in the courses for which they are registered. Irregular attendance usually results in low scholastic standing and failure.

Instructors in "C" and "D" courses are at liberty to conduct their classes upon the basis of voluntary attendance in courses where the classes are made up wholly of upper division students. In "C" and "D" courses in which other students are involved, the Classification Committee has power to extend the voluntary procedure.

Attendance at classes of students who are candidates for honors may be voluntary at the option of the instructor concerned.

Final Examinations:

Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty. Regarding examinations for the Degree with Honors, see pages 52-55.

The schedule of final examinations is prepared by the Courses of Study Committee. No changes of classes from this schedule may be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee and the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Committee.

A teacher may, at his discretion, appoint a time at which an announced test missed or not passed may be made up. Before such a test can be taken, a receipt from the Business Office for payment of a fee of one dollar (\$1.00) must be presented to the teacher by the student, unless this fee is remitted by the Classification Committee.

Field Trips:

Field trips are looked upon by the faculty as a legitimate part of certain courses. Permission for such trips is secured by instructors from the Courses of Study Committee at the opening of each semester. Instructors certify to the Registrar's Office the names of students participating in these trips.

MANUAL OF PROCEDURE IN HONORS STUDY

HISTORY

Prior to the academic year 1924-1925 Pomona College awarded honors at graduation on the basis of weighted grades. In the fall of 1924 a program of Reading for Honors in approved departments was added for a few students with special aptitudes. The work of such students culminated in final comprehensive examinations. Beginning with the academic year 1927-1928 honors based on grades alone ceased to be given, and a special arrangement of courses and other directed study was substituted leading to the degree with honors. Beginning with September 1931, the rules and regulations set forth in this manual replaced the previous procedure with respect to candidacy for the degree with honors.

ADMINISTRATION

The administration of the routine involved in attaining a degree of Bachelor of Arts with honors is vested in a standing committee of the faculty known as the Committee on Honors. This Committee alone has power to certify to the Registrar candidates for the degree with honors.

REQUIREMENTS FOR CANDIDACY

It is expected of a candidate for the degree with honors: (a) that he exercise initiative in his academic work; (b) that he pursue scholarship and curricular activities consistently first among his interests; (c) that he maintain a high standard of scholarship in the division of the curriculum in which lies his field of concentration, maintaining at the same time a satisfactory record in other work; (d) that during vacations he pursue programs of reading and study; and (e) that he seek to attain a broad and thorough understanding of his field of concentration. Candidacy for the degree with honors may be continued only so long as the candidate maintains a quality of work and an attitude toward study such as will justify recommendation for the degree with honors at graduation.

REGISTRATION

FRESHMAN-SOPHOMORE ASSOCIATES

A Freshman or Sophomore may associate himself with the honors program of the College by making a declaration of intention upon his registration card. This should be duly approved by an adviser or by the head of the department in which he plans to work. Freshman and Sophomore Associates may attend the regular autumn and spring gatherings and other group meetings of students who are candidates for honors.

REGISTRATION FOR GENERAL HONORS

At any time between the end of sophomore year and the beginning of senior year a student may become a candidate for the degree with honors. Ordinarily there will be concentration under the sponsorship of some department or division. In some cases the committee will accept a *special program* which cuts across departmental, or even divisional, lines.

A student desiring to become a candidate for the degree with honors should obtain an application blank from the Registrar. The application, together with a plan of study, both approved by the student's department (unless a special program is planned), should be filed with the secretary of the Committee on Honors before final registration for the semester in which the student's honors work is to begin. The application can be accepted only if the student has fulfilled his department's (or division's) requirements for candidacy. A list of these requirements can be obtained from the secretary of the Committee on Honors.

REGISTRATION FOR DEPARTMENTAL DISTINCTION

Each year a few students are accepted as candidates for the degree *with distinction in a particular department*. There are no requirements common to all departments, for each department sets out and administers its own program subject to the general oversight of the Faculty under the terms of this manual.

SEMESTER REGISTRATION

Before final registration each semester, the candidate's card must be approved (a) by his adviser, acting for the department of concentration, and (b) by the secretary of the Committee on Honors.

NUMBER OF CURRICULAR UNITS

A candidate for the degree with honors may graduate on the basis of a registration of 12 curricular units per semester during the period he is registered as a candidate for honors.* Some departments insist upon this basis of registration; others, for most of their candidates, advise definite registration for fifteen units. A candidate who has been accepted in some field of concentration may register for a minimum of 9 curricular units with the approval of the department or the division concerned and of the Committee.

In senior year a candidate for the degree with honors who seeks also the degree with distinction in a specific field may register for less than 9 curricular units in view of special aptitudes. A thesis or its equivalent is required of such a student.

WITHDRAWAL

A student registered for the degree with honors may withdraw from candidacy on favorable action by the Committee, and the Committee itself may withdraw a student from candidacy, but in senior year the status of a candidate may be changed only by action of the Faculty. If, for any reason, a candidate leaves the honors status, the Committee, in consultation with the department or division concerned, certifies to the Registrar the credit to which the student is entitled for the work done under its supervision.

ADVISERS

Each candidate at the time of his registration for the degree with honors is assigned an adviser recommended by the department, division or other sponsoring body, and accepted by the Committee. Although a candidate proceeds on his own initiative he confers regularly with his adviser concerning all his work and particularly that not covered by formal courses in the College. The adviser is expected to keep himself informed as to the progress of the candidate. The candidate's registration card each semester must bear the adviser's signature.

EXAMINATIONS

Prior to his senior year each candidate for the degree with honors takes final examinations in courses outside of the department of his concentration; in Senior year such examinations may be omitted at the option of the instructor. From final course

*Exclusive of Military Drill, Choir and required courses in Physical Education.

minations in the department of his concentration he may be exempted at the discretion of the department concerned.

A candidate for the degree with honors may concentrate only under sponsorship which provides written comprehensive examinations, during senior year. The date of these examinations is determined by the sponsoring body which also sets the questions and conducts the examination, under the general supervision of the Committee on Honors. It is proposed through these examinations to take the measure of each candidate's abilities and to determine the quality and range of his scholarship and his insight as they are revealed in his grasp of the field of concentration. A copy of the paper set for each final comprehensive examination is sent with the Committee on Honors that it may review the paper and advise the examiners as to its adequacy in relation to the honors program.

A student who seeks departmental distinction takes in addition to the above comprehensives an oral examination conducted by a committee of at least three, one of whom is the candidate's adviser. The other members are appointed by the Committee in consultation with the department concerned, and one of the examiners is usually from some other institution. The purpose of this examination is to supplement the examinations previously taken, and it is therefore expected to cover the entire scope of the candidate's field of concentration.

CREDIT

At the end of a candidate's senior year the Committee, after consultation with the department or division concerned, certifies to the Registrar the credit to which the candidate is entitled for work done under its supervision.

GRADUATION

In the case of a candidate who qualifies for the degree with honors the Committee certifies to the Registrar the particular honor, *cum laude*, *magna cum laude* or *summa cum laude*, to be conferred upon him.

In the case of a candidate who qualifies for the degree with departmental distinction the Committee, on the recommendation of the department concerned, certifies to the Registrar the honor with distinction in _____" (i.e. subject).

Both types of honors are announced upon the Commencement program and recorded upon the graduates' diplomas.

CURRICULUM

DEGREE OF BACHELOR OF ARTS

The courses of study offered lead to the degree of Bachelor of Arts under the following requirements:

UNIT REQUIREMENTS

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation or lecture period, or one laboratory period a week for one semester. A recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in four years one must take an average of fifteen units of academic work per semester throughout the four years.

GRADE POINT REQUIREMENTS

In order to graduate a student must not only earn a certain number of units, but also attain an average of at least C grade in those units. To this end a certain number of grade points is ascribed to each grade as a basis of determining average grade. The scale is so adjusted that the number of credits required for graduation coincides with double the number of units.

GRADES AND GRADE POINTS

1. Grades and grade points are as follows:

GRADES	GRADE POINTS PER UNIT
A	4 (excellent)
B	3 (very good)
C	2 (good)
D	1 (passing)
F	0 (failure)
FF	0 (failure)
I (Incomplete)	

W (Withdrawn with permission while work was passing grade or better)

2. The F grade and the FF grade both indicate a failure. In the case of the F grade the failure incurred may be made up out of class upon conditions laid down by the teacher, provided the conditions are met on or before the first day after the Spring vacation, if the failure is incurred in the first semester,* or on or before the first day of recitation of the next College year, if the failure was in the second semester. An F grade made up thus may not be raised above a D grade. An F grade not so made up remains

*F or I grades incurred during the first semester of year course may be removed on the recommendation of the teacher concerned by the successful completion of the work of the final semester.

permanently upon the records as a failure. A FF grade can be made up only by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated when next offered. A student may not continue with work in which he has received a FF. The making up of work which has received the F or FF grade does not expunge the grade from the record. It does permit credit and "grade points" for the course.

All F and FF grades reported by teachers are accompanied with specific statement in writing of the cause for the failure and detailed statement in case of the F grade of the work necessary for its removal. A copy of this statement is mailed to students.

3. The I mark is given where illness on the part of a student justifies the granting to him of additional time for the completion of his work. It may be changed upon the same conditions as those laid down for the making up of the F grade, with this exception, that other than a D grade may be thus earned.* Teachers wishing to give an I grade for other justifiable cause than illness must first receive permission to do so from the Classification Committee.

4. The mark W is used where a student has withdrawn from a course with the permission of the Registrar's office, provided, however, that the student was not reported as below D in the subject in the scholarship report preceding his withdrawal. If the student was reported, the grade of the report is entered upon the records and subject to the conditions stated for F and FF grades. Withdrawal from any course within a month of the examination period is not permitted save by special action of the Classification Committee, and even with that permission involves a failure in the course.

CHOICE OF SUBJECTS

In the selection of his work the student in Pomona College is given a large range. The only limitations are such as will insure him, on the one hand, the breadth of view which may be gained from an introductory study of each of the great realms of knowledge; and, on the other, that concentration along some chosen line of work which shall develop power of thought and an actual fund of knowledge in some particular field. To this end the following general requirements for graduation have been approved.

Each regular student in residence in Pomona College shall elect not less than half of his registration each academic year from courses in Pomona College.

See foot-note on preceding page.

GENERAL REQUIREMENTS FOR GRADUATION

I. FOR THE LOWER DIVISION

1. Four units (semester hours) of Physical Education (Activities)
Note: For two of these units work in Military Science may be substituted.

2. At least one course (two semesters) in each of five of the following divisions (I-VII), no one of the groups (A,B,C) to be passed over.

Group A.

- Division I. Art; Music (Theory and Appreciation).
- II. English; Public Address.
- III. French; Italian; Spanish; German; Greek; Latin

Group B.

- Division IV. Biology; Botany; Zoology.
- V. Mathematics; Chemistry; Physics; Astronomy
Geology.

Group C.

- Division VI. Economics; Education; History; Political Science
and Law; Sociology.
- VII. Philosophy; Psychology; Religion.

3. Courses at student's choice in any of the above named departments, in Military Science, and in Physical Education enough to make up a sum total of 64 units.

II. FOR THE UPPER DIVISION¹

1. Two units (semester hours) of Physical Education (Activities)
2. Sixty other units, election subject to the following principles of distribution:
 - a. Each student shall complete during each semester of Junior year at least one course (not less than 2 units) each of three departments.
 - b. Each student shall complete for graduation not less than units of C and D work.

These General Requirements are designed to protect the student against gross errors in shaping his collegiate program, especially

¹Prior to graduation, all students are required by the laws of the State of California to pass a course or an examination on the Constitution of the United States. This requirement may be met by Political Science A1, B3b, C101, C104, D114, History D119, D125.

during the Lower Division years; they intentionally leave him a great deal of freedom to shape his course of study according to his interest. In the exercise of this freedom it will be the part of wisdom for him to take advantage of the working organization of the curricular program into sequences of courses, departments and divisions, looking upon these things as aids of which he, as student, may avail himself in the process of securing an education. Courses, c., are, however, merely aids toward, not substitutes for, reading, reflection and independent study.

In the evaluation of all academic exercises the quality of English used by the student will be weighed together with the soundness and completeness of his thinking. Before any student is accepted to upper division standing he must satisfy a committee of the College of his ability habitually to use English of good quality. A student whose English is persistently slovenly or unacceptable may therefore be withdrawn from candidacy for a degree at the next ensuing commencement if his deficiency recurs as late as the middle of his junior year.

Responsibility for raising the level of a student's habitual use of English lies solely with himself, inasmuch as it is not the policy of the College generally to undertake the teaching of basic secondary school subjects. Moreover, since no specific course or courses in English are now required for graduation, students who have weakness in expressing themselves in their mother tongue should bear in mind the value of certain important courses offered by the Department of English.

THE PROGRAM OF STUDIES

To each student the College strongly recommends the shaping of a program of studies that will mean (1) by the end of the Sophomore year, an intelligent orientation in as many as five of the great fields of learning corresponding to the "divisions" (I-VII) of the preceding statement of Requirements for Graduation, and (2) during the Junior and Senior years, a relative concentration of effort in some one of those fields, such a concentration as is needful for the effective organization of one's Collegiate program as a whole.

CONCENTRATION IN SPECIAL FIELDS

For the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and methods of procedure have become established:

1. Lower Division Preparation: There must be sufficient Lower Division (A and B) work in the special field and in allied fields to ensure adequate preparation for carrying successfully the Upper Division work aimed at.

2. Upper Division Requirement: Not less than eighteen hours Upper Division (C and D) work in the field of concentration; six of these eighteen hours must be of D rank, and six of them must be taken during the Senior year.

60 GENERAL REQUIREMENTS FOR GRADUATION

3. Foreign Language: For advanced work in most fields a reading knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of both is most desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college.

4. Comprehensive Examination: In most divisions of the College the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which his concentration lies.

5. Adviser: That member of the faculty in whose field the student is working intensively becomes the student's official adviser during his Junior and Senior years. It will be well for the student to consult his prospective adviser even earlier in his course.

The application of these ideas involves to such a degree a recognition of differences between fields of learning and between the individualities of students that no summary statement of them should be thought of as complete. The attention of those interested in special fields is therefore directed to the following more extended presentations of the work of the respective divisions. In addition, certain pre-professional courses are also presented in outline for the benefit of students who look toward teaching, engineering, or medicine.

Most of the statements made in connection with concentration should be read as suggestions rather than as rigid regulations; the degree of emphasis attached to each such suggestion will be determined for the student by his adviser.

DIVISION I—FINE ARTS

(DEPARTMENTS OF ART AND MUSIC)

Courses in the history, appreciation, and theory of art and music are offered by the College as contributions to personal culture, and receive credit toward the Bachelor of Arts degree on the same basis as other academic courses. In the fields of applied music and art technical proficiency is aimed at, with the idea, first, of developing an appreciative taste, and second, of stimulating creative ideas worthy of expression.

APPLIED ART WORK: This is divided into two branches to meet the student's preference for Drawing and Painting, which look toward Fine Arts endeavors, or for Design and Crafts, which relate to the Industrial Arts and the home. In recognition of the interdependence of Design and Drawing as the basis of all art training, the fundamental courses in both subjects should be pursued early in the college course. Theory courses must be included with advanced work in either branch of Applied Art study.

The student will be expected to present his work in the Departmental Exhibition at the end of each year. Upon the completion of the third year of study the student will be expected to have a separate exhibition of his work of that year.

APPLIED MUSIC: The student may take music as a subject of concentration in his course leading to the Bachelor of Arts degree. In addition to this it is possible to meet the requirements of the State Board of Education for the Special Credential in Music, which enables those recommended by the College to teach music in the public elementary and secondary schools of the State of California. The student, whether concentrating in music or working toward the music credential should take the beginning harmony and sight singing courses in his first year; otherwise he may have difficulty completing the requisite courses in four years.

Each candidate for the Special Credential in Music must give satisfactory public recital in his major subject in Applied Music. Other requirements are varied according to the type of credential (General Public School Music, Voice, Piano, Organ, Violin, or Special Instruments) which is desired by the candidate. Complete information as to these requirements may be obtained from the Department of Music.

The student in applied music will be enrolled for credit toward the Bachelor of Arts degree upon the written recommendation of the Head of the Department of Music. This recommendation is based upon a system of proficiency tests given before an examining committee of the music faculty. In addition, the work in applied music must be accompanied or preceded by first year harmony or Sight Singing to receive credit. A second year or more of credit is possible when the applied music course is accompanied or preceded by second year harmony or Advanced Dictation. A minimum of two half-hour lessons weekly is required. Proficiency tests are required of students desiring credit toward the Bachelor of Arts degree.

SUGGESTED PROGRAM

DIVISION II—ENGLISH

(DEPARTMENTS OF ENGLISH AND PUBLIC ADDRESS)

PREREQUISITES for undertaking concentration in English in Upper Division:

1. Foreign Language: High School Latin,—not less than two years; a reading knowledge of French (or German).
2. Proficiency in the use of English, whether oral or written, a measurable mastery of the fundamental principles of literary criticism and interpretation.
3. An intelligent acquaintance with the books of Reading List I.

THE MEASURE OF ACHIEVEMENT set up as a standard:

1. A general knowledge of the subject *Literature*, with particular attention to major figures in the English field, such as Chaucer, Spenser, Shakespeare and Milton, and a somewhat specialized knowledge of the English and American literature of the last two hundred years.
2. a. A general knowledge of English history—especially its cultural aspects.
b. A knowledge of English geography, topography, and as *place* and *physical environment* in relation to literature and men and their works.
3. Some understanding of the more significant movements in the field of philosophy, especially as they apply in the realm of literature and art.
4. An intelligent acquaintance with a share of the great books of the world, particularly with those appearing in Reading Lists I and II.
5. a. An average of B or better in divisional courses of English at D rank.
b. Acceptable evidence, in the form of a paper, of achievement in the direction of one of the three: scholarly research, critical literary appreciation, or independent creation in prose or verse,—the paper to be produced during the course of the senior year.

THE COMPREHENSIVE EXAMINATION: The success of the student in meeting the standard set up will be tested in a final Comprehensive examination at the close of the senior year.

DIVISION III—FOREIGN LANGUAGES AND LITERATURES

(FRENCH, GERMAN, GREEK, ITALIAN, LATIN AND SPANISH)

CONCENTRATION IN THE DIVISION

A student interested in the synthetic study of the complete field of foreign letters may, under an adviser appointed by the division, pursue work in the various departments of the division, thereby concentrating in the division. Such a student should hold non-credit bearing conferences from time to time with the divisional faculty, looking toward a comprehensive examination in the general field of foreign languages and literatures.

CONCENTRATION IN DEPARTMENTS

A student planning to concentrate upon any one of the foreign languages should have begun his study of that language before entering college. Preparatory work in some other language is also distinct advantage.

Although the student is normally expected to concentrate in only one of the departments of Foreign Languages, he should acquire as broad an acquaintance as possible in all the other fields of literature represented in the division.

Eighteen to twenty-four hours of C and D work are required in the department concerned, in which at least a B average must be maintained. For a student desirous of doing more specialized work than is possible under the regularly scheduled offerings, the Honors program presents additional opportunity. At the end of the Senior year a comprehensive examination will be required.

LATIN AND GREEK

Concentration in the Classical Languages is designed to give a student a technical knowledge of the language and literature of his special interest and an appreciation of the life and institutions intimately connected with that literature.

The student of Latin is expected also to have an acquaintance with the Greek language and literature. It is not essential however, in the lower division courses of Latin.

ROMANIC LANGUAGES AND LITERATURES

A student expecting to concentrate within the field of the Romanic Languages and Literatures should be fortified with a pre-knowledge of Latin, and will find it much to his advantage to have begun the study of French or Spanish, or both, before entering college.

Concentration in a Romanic Language and Literature is designed to provide: first, a broad general knowledge of both the language and literature of the student's special interest; and second, considerable knowledge, represented by not less than two years college work in at least one other language of the Romance field.

A student who is well equipped in foreign language on entering college, is urged to take work in all three of the Romanic Languages

GERMAN

Concentration in German is designed to give the student a knowledge of the language and of the German civilization as represented in the best works of literature.

SUGGESTED PROGRAM

DIVISION IV—BIOLOGICAL SCIENCES

(DEPARTMENTS OF BIOLOGY, BOTANY AND ZOOLOGY)

I. OPPORTUNITIES.

The location of Pomona College, close to mountain, desert, coastal plain and sea, makes it especially suited to studies of systematic and ecological nature. This assures also an adequate and diversified supply of materials for class and laboratory and for special problems of a morphological or physiological nature. The College, furthermore, possesses a number of special biological collections, notably of plants and insects. The Marine Laboratory of the College at Laguna Beach is an adjunct valuable during the summer session and of use on occasion throughout the year.

II. CONCENTRATION IN THE DIVISION.

A student emphasizing biological science is ordinarily expected to have Biology A1, and Biology B2, followed by an integrated program in either Botany or Zoology or both. Those concentrating in this division are expected to participate in a non-credit bearing conference looking toward a comprehensive examination at graduation. A reading knowledge of German and French and a training in the physical sciences are also expected according to the needs of the individual.

III. COURSES PREPARATORY TO:

(1). Graduate work, looking towards investigation or high education. Broad foundations in the biological and physical sciences, with liberal selections of advanced courses in the field of concentration, are essential for those who anticipate professional work in biological science.

(2). Teaching in secondary schools. Teachers of biological subjects and general science need basic courses in as many branches of science as possible. The following are also important: Plant Physiology and Taxonomy, Human Body, Entomology, Functional Zoology, Genetics and Bionomics.

(3). Museum work, conservation, nature guide work, field biology. In addition to the basic courses are recommended: Plant Taxonomy, Functional Zoology, Entomology, Special Problems in Geology.

(4). Horticulture, agronomy, landscape art, forestry. For the first two: Plant Physiology, Bacteriology, Entomology, General Chemistry, considerable Chemistry, Elementary Physics, Structural Geology. For landscape art: Plant Taxonomy, Freehand and Mechanical Drawing, Surveying, Chemistry, Geology, and Economics. For forestry: Plant Taxonomy, Entomology, Surveying.

(5). Medicine, nursing, laboratory technique, public health, sanitation. Pre-medical requirements are discussed elsewhere. Inasmuch as medicine is highly biological, a liberal election of embryology, Histology, Neurology, Functional Zoology is recommended. Work in Entomology, Bacteriology and General Botany is recommended in addition to the above for Public Health.

DIVISION V—PHYSICAL SCIENCES

(DEPARTMENTS OF ASTRONOMY, CHEMISTRY, GEOLOGY,
MATHEMATICS AND PHYSICS)

The Division of Physical Sciences renders through its freshman and sophomore courses two quite distinct types of educational service:

1. For persons who are not intimately concerned with science or scientific pursuits it offers a general introduction through survey courses to modern scientific method, to the philosophic aspects of science, and to the place of the sciences in the general scheme of human affairs, along with the theoretical and descriptive presentation of the subject-matter. Conspicuous among such courses are: Mathematics A1, Physics A1, Chemistry A1, Astronomy B1 and Geology B1.

2. For those who incline toward more emphasis on the physical sciences during their collegiate years, whether for purposes of teaching, or with a view to engaging in commercial enterprises requiring knowledge of physical science, or because of an interest in scientific study for its own sake, the Division offers excellent opportunities for concentration.

PREREQUISITES for undertaking concentration in Physical Science:

1. Physics and Chemistry: Fundamental in importance is such an understanding of the constitution and value of matter and energy as is ordinarily gained through basic courses in Physics and Chemistry.

2. Mathematics: A practical knowledge of the tools of scientific reasoning acquired in Mathematics is essential. This will require mathematics courses at least through calculus. It is urged that those planning such work in college complete trigonometry in high school.

3. Foreign Languages: It is highly desirable that the student proposing to concentrate in the Physical Sciences shall acquire a working knowledge of both French and German. The more this knowledge is gained during the high school years the better.

CONCENTRATION: Each one of the departments grouped in the Division has its own sequence of courses for the student concentrating in its section of the general field; but it also requires supplementary work in related departments. In addition, there are opportunities for concentration in fields that cross departmental lines. The combinations and implications are too markedly individual, however, to permit of a satisfactory general statement; they must be worked out between the student and his adviser.

SUGGESTED PROGRAM

DIVISION VI—SOCIAL SCIENCES

(DEPARTMENTS OF ECONOMICS, EDUCATION, HISTORY,
POLITICAL SCIENCE AND LAW, AND SOCIOLOGY)

CONCENTRATION IN THE DIVISION¹: Although emphasis in program of a student concentrating in the Division is placed on integrated sequence of studies in one of the social sciences, it is expected that the student will obtain a broad understanding of the content and meaning of the social sciences as a whole. With this in view he will include early in his course at least three of the four basic courses² in the Division. He will maintain a "B" average in the social studies, will complete 24 units in "C" and "D" courses in the Division of which at least 12 must be "D," and will include courses D251 and D252 in the social science of his more intensive study.

FOREIGN LANGUAGE: It is recommended that every student concentrating in the Division of Social Sciences acquire a reading knowledge of French *and* German. Normally by the beginning of the Junior year but not later than the middle of his Senior year the student is required to file with his Adviser a written certificate of his ability to read French *or* German, issued by a member of the Division who has been designated to examine in those languages.

COMPREHENSIVE EXAMINATION: The work of a candidate concentrating in social sciences culminates in a written comprehensive examination, administered by the Division. This examination consists of two parts: (1) a general examination to reveal the candidate's grasp of the broader aspects of the several social sciences and their interrelations, and (2) a more specialized examination to test his mastery of the particular social science which the candidate has studied intensively. Inasmuch as the purpose of the comprehensive examination is to appraise the candidate's integration of the entire range of social studies included in his undergraduate program, the passing of both parts of this examination will exempt the student from final examinations in social science courses at the end of his Senior year.

The following courses offered by the Department of Education are considered to be part of the work of the Division of Social Sciences:

Introduction to Education; History of Education.

SUPPLEMENTARY COURSES: In addition, the courses listed below and other courses approved by the Division, may form a part of a student's program of concentration in the Social Sciences:

Philosophy of the State; History of Philosophy; Social Psychology.

The attention of social science students is called to certain courses available to them, offered by affiliated colleges in Claremont.

¹No departmental concentration, or major, is offered in any social science.

²Economics B11, History A1, Political Science A1, Sociology B21.

DIVISION VII—PHILOSOPHY, PSYCHOLOGY AND RELIGION

A SUGGESTED COURSE during the Lower Division years for those tending to concentrate in the Division:

FRESHMAN YEAR

Biology A1
Chemistry A1 or Physics A1
History A1 or Political
Science A1
English A1
Religion A1

SOPHOMORE YEAR

Zoology B3 or Astronomy B1
Psychology B1
Economics B11 or Sociology
B21
Philosophy B21 or B23
Religion B

Note: A reading knowledge of French and German is ultimately necessary for persons who undertake advanced graduate work in the field of the division.

CONCENTRATION IN THE DIVISION requires:

1. The completion of the following basic courses:
Philosophy C125 or C127;
Psychology B1;
Religion C109.
2. The completion of forty units in the division; eighteen of these shall be taken in one of the departments of the division; six of them shall be of D rank.
3. The maintenance of a grade of B or better in divisional courses.
4. The passing of a comprehensive examination covering the entire field of concentration at the close of the senior year.

SUGGESTED PROGRAM

A SUGGESTED PRE-ENGINEERING COURSE

In the belief that the training of a liberal arts college, so essential to men in other professions, is essential to the engineer, Pomona has developed a series of courses to enable its graduates to enter the upper division work of engineering schools and graduate therefrom in two years. Men during the first two years will take the same course regardless of the field of engineering contemplated.

FRESHMAN YEAR

Chemistry B3 or A1 and B2.....	Uni
Mathematics A1	60
Mathematics A7 (Engineering Drawing).....	6
Foreign Language	6
Elective	100

SOPHOMORE YEAR

Economics B11	0
Mathematics B15	0
Mathematics B9 (Engineering Drawing).....	1
Physics B2 and B4.....	
Foreign Language	

JUNIOR YEAR

Chemistry B6 ¹²³	
Mathematics D120 ¹²³	
Astronomy or Geology ¹	
Economics ¹	
Physics C111 and D109 ²³	4
Electives	

SENIOR YEAR

Mathematics D121 ¹²³	
Physics D220 ²	
Physics D113 ¹²³ (Analytic Mechanics).....	
Electives	

In addition the six weeks' summer course in surveying at Lake should be taken by all.

¹To be taken by civil, structural and hydraulic engineers.

²To be taken by aeronautical and mechanical engineers.

³To be taken by electrical engineers.

A SUGGESTED PRE-MEDICAL COURSE

Certain subjects have been designated by the Council on Medical Education of the American Medical Association as unconditional requirements for entrance to Class A medical colleges. Many of the leading medical colleges, however, have requirements well beyond this minimum. Pre-medical students are advised not to attempt to crowd the minimum requirements into two years of college work, but to build, in more leisurely fashion, a broad educational foundation. The outline below indicates a curriculum which meets the requirements for graduation from Pomona College, and, it is believed, the entrance requirements of all medical colleges in the United States.

FRESHMAN YEAR

	Units
English (A1)	8
Chemistry, General (B3 or A1, B2)	6 or 8
Mathematics A1	6
German or French	6
Biology A1	6

JUNIOR YEAR

	Units
Chemistry, Organic (C110) ..	8
Physics (B2, B4)	8
Bact., Comp. Anat.	6
Electives from Divisions other than IV and V	4 or 6
Free elective	6 or 4

SENIOR YEAR

SOPHOMORE YEAR	All elective. A major in either Chemistry or Zoology may be completed. Subjects especially recommended are Philosophy, Sociology, Economics, Language and Literature, and Psychology.
Chemistry, Analytical (B6)	6
Physiol. B2a, Zool. C117	8
Psychology	6
German or French	6
Mathematics or free elective	6

A reading knowledge of both German and French is highly desirable. If one has been taken in High School, it is recommended that the other be taken in college. High School work in Latin, as well as French and German, is recommended for those planning the medical course. High School trigonometry, physics and chemistry are also recommended. For one wishing to concentrate on the chemical phases of the medical sciences, mathematics through calculus should be taken in college. Some of the medical schools are including physical chemistry in their curricula. Breadth of view, culture, and a thorough grounding in the biological and physico-chemical sciences are the objectives of the pre-medical course.

Pre-medical students who have not had trigonometry in High School are definitely required to take Mathematics A1a as a prerequisite for Physics B2. It is recommended that all take the year's work in Mathematics A1.

SUGGESTED PROGRAM

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS

The courses in Education in Pomona College are designed to supply the information each intelligent citizen should have concerning one of the most important of our social institutions; they offer also to the prospective teacher a certain amount of pre-professional training.

CERTIFICATES: In California every teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon presentation to the county board of education of a qualifying credential issued by the State Board of Education through the Commission on Credentials. The Commission issues the credential to the candidate upon the basis of evidence furnished by the candidate's college that he has completed the requirements laid down by the state. Requirements vary for different certificates and those who contemplate entering the teaching profession should make themselves familiar with these requirements as indicated in the bulletin of the State Board of Education which may be had by application to the State Board in Sacramento.

The more technical professional requirements are not usually met by courses offered in Pomona College and will need to be satisfied by courses taken in Claremont Colleges or elsewhere. Pomona College, however, does undertake to offer the prospective teacher the opportunity of becoming thoroughly acquainted with the fundamental concepts of education as a social institution and of laying a broad foundation upon which future technical training may profitably build.

A SUGGESTED PROGRAM for the prospective teacher:

FRESHMAN YEAR: Academic courses preparatory to the credential in view.

SOPHOMORE YEAR: Education B3; Psychology B1; further work in the subject-matter to be taught.

JUNIOR YEAR: Education C104; Psychology C107¹; further work in the subject-matter to be taught, or in related fields.

SENIOR YEAR: Education D215. A rounding out of the subject-matter to be taught.

¹These courses count technically as Education in all matters involving credentials.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS OF PHYSICAL EDUCATION

FRESHMAN YEAR		SOPHOMORE YEAR	
	Units		Units
English A1	8	Zoology B3	6
Chemistry B3	6	Sociology B21	6
Biology A1	6	Psychology B1	3
Hygiene A5	2	Music B3	6
Electives from divisions III, VI, or VII.....	8 or 9	Electives	9 or 10
JUNIOR YEAR			
Public Address B32.....	4		
Psychology C107	3		
Biology C105	3		
Physical Education C130..	3	SENIOR YEAR	
Physical Education C127,		Physical Education C126..	2
C128	4	Education D215	3
Physical Education C119		Physical Education D133..	3
(for women)	2	Physical Education D131..	3
Education B3	3	Electives	12
Electives in divisions other than VI or VII....	8 or 9		
6 units of required Physical Education Activities.			

This suggested program followed by a year of graduate work in Claremont Colleges will qualify the student for the general credential with major in physical education.

Reading knowledge of French and German is highly desirable for students who plan to go on to graduate research in Physical Education.

COURSES OF INSTRUCTION

DESIGNATION OF COURSES

The letter preceding the number in the designation of a course indicates in general its grade. Elementary courses, designated A (as English A1) are given in Freshman or Sophomore year; B courses are either those which follow the A course of earlier year or the more advanced beginning courses; C and D Courses are more advanced courses given to Juniors and Seniors, D courses being the more difficult. The natural sequence of courses is from A to B, B to C, and C to D, and a student may not enter a C or D course without previous work in the same line.

Courses with numbers below 100 are underclass courses; those numbered from 100 to 199 are for Juniors and Seniors; those numbered over 200 are not open to students of less than Senior standing.

Any course may be withdrawn if the enrollment is less than five.

In departments where one-unit courses are offered, two such courses should be completed to secure the counting of units as grade-points toward graduation.

When courses in different semesters have the same general number and are connected by a hyphen thus, B1a-B1b, they cover a common subject and the entire sequence should be taken. If, however, they are connected by a comma, thus, B1a, B1b, although the course extends throughout the year, independent credit is given for the work of the first semester and the first course may be followed by some allied subject instead of the next course in the sequence. Entrance to the second semester course is by permission of the instructor.

All courses are three units each unless otherwise designated.

Roman numerals show the periods of recitations. Two courses with the same Roman numerals cannot be taken contemporaneously unless the numerals are preceded by different letters (as M or N) showing that the classes meet on different days of the group.

	8:00	9:00	10:00	11:00	1:15	2:15
<i>MWF</i>	I	III	V	VII	IX	XI
<i>TThS</i>	II	IV	VI	[T-Chapel Th-Assembly]		X
						XII

Hours to be arranged—A.

If a letter precedes the numeral, the class meets only on that day of the group.

ART

A fee of \$5 is charged for each unit of credit except in course 11.

a-A1b. Design.

MR. BEGGS

A study of the elements of design in primitive art and historic ornament, and their application to various types of original commercial designs. 2 units. Class *MW, V*; laboratory, *M, 1:15 to 4:05*.

a-A2b. Drawing.

MR. BEGGS

Study of perspective with practice in out-door sketching. Still-life in pencil and work in pen-and-ink are included. 2 units. Class, *WF, IX*; laboratory, *WF, XI, XIII*.

a-A9b. Modeling.

MR. JURECKA

A general foundation in Sculpture, comprising a study of antique models from casts and work from nature forms. 2 units. *TTh, XII*; laboratory, *TTh, X and XIV*. Special fee, \$25.00 per semester.

a-B3b. Composition.

MR. BEGGS

Pictorial Design in various media requiring a sketch each week on an assigned subject of an illustrative or decorative nature. To be taken in conjunction with another applied art course; may be repeated for credit. 1 unit. *FV*.

a-B11b. Advanced Drawing.

MR. BEGGS

Cast drawing in charcoal in the first semester is followed by portrait drawing from the model in the same medium in the second. 2 units. Class, *TTh, X*; laboratory, *TTh, XII and XIV*.

a-B25b. Advanced Modeling.

MR. JURECKA

Problems in applied ornament. Portrait study from cast and living model. Studio methods; casting and armatures. 2 units. Class, *TTh, 4:15 to 5:05*; laboratory, 4 hours, *A*. Fee, \$25.00 per semester.

a-C102b. Life Drawing.

MR. BEGGS

Anatomical function and the construction of the human form. Pre-requisite B11a-b or equivalent. 2 units. *MWF I and III*.

11. History of Art.

MR. BEGGS, MR. ROBBINS
and Others

Study of the historical development of art with especial attention to national genius and expression. First semester. *III*.

In addition to the courses listed below there will be announced at the time of registration certain courses in Scripps College open for bona fide students under approved conditions.

COURSES OF INSTRUCTION

C120a-C120b. Painting. MR. BEG

Practice in Still-life and Landscape is adapted to a study of the techniques of various historic schools of oil painting. These are explained by means of a system of set palettes which afford a understanding of painting principles and an opportunity for the development of individuality of manner. 2 units. Class, *W XIII*; laboratory, *WF, IX, XI*.

D105a-D105b. Advanced Painting. MR. BEG

Attention is given to the completion of easel pictures including the portrait and the decorative composition. A large finished canvas is required in the second semester. 2 units. Class *T XIV*; laboratory, *A*.

ASTRONOMY

B1a-B1b. General Astronomy. MR. WHITE

The purpose of this course is to develop an appreciation of man's relation to the earth and the universe around him; an acquaintance with the principal constellations, the important stars and other objects of interest. The general facts of astronomy are presented in non-technical form; the course being designed for students with a minimum of science preparation. Regular observations with the telescope at the Observatory supplemented by dependent observations, group projects and field excursions. Classroom, two hours per week; observatory, etc., amounting to one period per week. Laboratory fee, \$3.00 each semester.

C101-C102. Astronomy and Cosmogony. MR. WHITE

A course in the fundamentals, designed for students interested in pursuing further work in astronomy or who have a working knowledge of analytic geometry and calculus and of the essential principles of physical science. The second semester includes a comparative study of old and new theories of cosmogony.

C103a-C103b. The Sun; a Star. MR. WHITE

A comparative study of our sun and its relation to other stars principally from the laboratory point of view. Regular observations of sunspots, prominences and the solar heat are made with the 40 ft. focus, horizontal telescope and spectrograph, the heliometer and the pyrheliometer, supplemented by photography of the sun and stars and of their spectra. Astronomy B1b or an equivalent in physical science is prerequisite. Laboratory fee, \$5.00 each semester. *A*.

D104. Theoretical and Practical Astronomy, A. MR. WHITE

Deals with the problems of theoretical and practical astronomy such as the determination of time, latitude and longitude and their application to marine and aerial navigation. Classroom, one unit; observatory, two units. First semester. Laboratory fee, \$5.00. *A*. Offered in alternate years. (Omitted in 1933-1934)

105. Theoretical and Practical Astronomy, B. MR. WHITNEY

A short course in Celestial Mechanics or the applications of the laws of mechanics and of gravitation to the motions of the heavenly bodies, with problems on the determination of eclipses and occultations, and on the computation of the orbits of comets and asteroids. Differential and integral calculus required. Second semester. *A*. Offered in alternate years. (*Omitted in 1933-1934*).

106a-D106b. Astrophysics.**MR. WHITNEY**

Application of the principles of modern physics and chemistry to a study of the structure of the universe. Laboratory work with telescope, spectrograph and spectrohelioscope is accompanied by studies of modern theories of stellar evolution. The theory and application of the spectroscope to the determination of stellar distances and of the interferometer to the measurement of star diameters are also considered together with the relation between modern theories of atomic structure and the interpretation of stellar spectra. Laboratory fee, \$5.00 per semester. *A*.

30. Investigations in Astronomy.**MR. WHITNEY**

A unified program of investigation in some particular field such as variable stars, solar physics, or astrophysics, is arranged. Each semester, 1 to 4 units. May be repeated for credit. Laboratory fee, \$2.00 per unit each semester. *A*.

BIOLOGY**a-A1b. General Biology.****MR. HILTON, MR. MUNZ and ASSISTANTS**

A general course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany, or zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the project method it will be fitted to the preparations, needs, and interests of individuals or groups. Class, *MW, VII* and *F* at the pleasure of the instructor; laboratory, field trip, or demonstration *T, Th* or *F, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

, B2b. Advanced Biology.**MR. HILTON and MR. MUNZ**

General Zoology first semester. General Botany second semester. A general survey of the animal and plant kingdoms, dealing with classification, structure and life-processes of both groups. Prerequisite: Biology A1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the division. 4 units. Class, *TTh, II*; laboratory, *TTh, 1:15-4:10*. Laboratory fee \$8.00 each semester.

C105. Bacteriology.

MR. MU

General study of important bacteria, methods of culture and study, and importance in disease and agriculture. Prerequisite: one year of biological work. First semester. Class, S, laboratory, *WF*, 1:15-4:10. Laboratory fee, \$8.00. Breakage deposit, \$5.00.

C107. Genetics.

MR. MU

A non-laboratory course covering modern developments in study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems and discussions. Prerequisite: one year of biological work. First semester, *I*. Fee, \$3.00.

C108. Bionomics.

MR. HIL

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to Juniors or Seniors who have had a year of biological work. May be taken with Zoology D131 for three hours. Second semester. 2 units. *MW*, *I*.

BOTANY

C123. Plant Physiology.

MR. M

A study of the physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching biology, and for botany majors. Prerequisite: Biology B2b. Second semester. *A*. Two class periods and one laboratory. Laboratory fee, \$8.00. Breakage deposit, \$5.00. Alternates with Botany C124. (*Omitted in 1933-1934*).

C124. Mycology.

MR. I

A brief survey of the fungi, with particular reference to forms which are economically important. Second semester. Class, 1 hour, laboratory and field work, 2 periods. Laboratory fee, \$7.00.

D125a, D125b. Taxonomy.

MR.

Study of our local flora and more common cultivated plants. Principles and methods of classification and nomenclature. Much field work with trips to desert, mountains and shore for study of plants in their native conditions. Prerequisite: Biology B2b. First semester, Class, *WF*, *III*; laboratory, *M*, 1:15-4:10. Second semester, Class, *F*, *III*; laboratory, *MW*, 1:15-4:10. Laboratory fee, \$7.00 each semester. Alternates with D127.

127a, D127b. Anatomy and Comparative Morphology of Green Plants.

MR. MUNZ

The anatomy with special reference to vascular tissues from the evolutionary point of view. Morphology covering life-histories, evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Biology B2b. Class, *A*, laboratory, *M*, 1:15-4:10. Laboratory fee, \$7.00 each semester. Alternates with D125. (*Omitted in 1933-1934*).

131. Botanical Problems.

MR. MUNZ

Special work, largely individual, and primarily for majors in the department. Each semester. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. *A*. Laboratory fee, \$2.00 per unit of credit.

ZOOLOGY

a-B3b. The Human Body.

MR. GILCHRIST

A course in the structure and function of the human body. Prerequisite: Biology A1. Class periods, *MF*, *I*; laboratory, *Th*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

05. Human Anatomy.

MR. GILCHRIST

A course designed to meet the requirements of majors in physical education. Prerequisite: Biology A1 and Zoology B3. First semester. Class, *W*, *I*; laboratory, *MW*, 1:15-4:10. Laboratory fee, \$6.00.

10. Functional Zoology.

MR. GILCHRIST

A study in living animals. Topics will include animal behavior, development and heredity. Prerequisite: Biology A1. Second semester. *VII*.

15. Comparative Anatomy.

MR. GILCHRIST

A study of the structure of vertebrates. Prerequisite: Biology B2a. First semester. Four units. Class, *TTh*, *II*; laboratory, *T*, 1:15-4:10 and three hours to be arranged. Laboratory fee, \$8.00.

17. Embryology.

MR. GILCHRIST

A study of early development and the formation of organs, with especial reference to vertebrates. Prerequisite: Biology B2a. Second semester. Four units. Class, *TTh*, *II*; laboratory, *T*, 1:15-4:10 and three hours to be arranged. Laboratory fee, \$8.00.

18. Entomology.

MR. HILTON

A general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Biology B2. Second semester. Class, *T*, *VI*; laboratory, *A*. Laboratory fee, \$6.00.

13. Histology.

MR. HILTON

The microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology B3 or Biology B2. First semester. Class, *T*, *IV*.

COURSES OF INSTRUCTION

Laboratory by appointment. One class, two laboratory periods.
Laboratory fee, \$8.00.

D114. Neurology.

MR. HILTON

A general consideration of the structure and functions of the nervous system and sense organs chiefly of vertebrates. prerequisite: Zoology D113. Second semester. Class T, IV. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$6.00.

D131. Zoological Literature.

MR. HILTON

Reviews of important contributions in all fields of recent zoological literature. Open to Juniors and Seniors. Second semester. May be repeated for credit. 1 unit. F, I.

D135. Zoological Problems.

MR. HILTON and MR. GILCHRIST

This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Botany or Embryology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Either semester. 2 to 3 units. May be repeated for credit. Laboratory fee, \$2.00 per unit.

CHEMISTRY

The two introductory courses, A1 and B3, cannot both be taken for credit. Students who wish to get a "working knowledge" of chemistry, as a part of their training in some field of science, should register for the B3 course. The A1 course is intended primarily for those whose major interest is not scientific.

A1a, A1b. A Survey of Chemical Science.

MR. ROBINSON

Presents our present-day concepts of the nature of matter, its behavior, the origin of these concepts, and the place of chemistry in human affairs. No laboratory is required. Chemistry B2 may be elected to accompany this course. Fee, \$2.00 each semester to defray expenses of lecture demonstrations.

B2a, B2b. Experimental Inorganic Chemistry.

MR. ROBINSON

To accompany or to follow Chemistry A1. Laboratory work similar to that of B3, with assigned problems and studies. This course, with A1, may serve in place of B3 as preparatory for advanced courses. Each semester, one unit. Laboratory, 4:10. Laboratory fee, \$6.00 each semester.

B3a-B3b. Inorganic and Elementary Theoretical Chemistry.

MR. ROBINSON and MR. GILCHRIST

A foundation course for those who are planning further study in chemistry.

in chemistry or other scientific fields. Those who have not had entrance chemistry should consult the instructors before registering. Class, *TTh, IV*; laboratory, *T, W or Th, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

a, B6b. Analytical Chemistry.

MR. LEIGHTON

Studies in the principles of chemical behavior and in stoichiometric problems. Laboratory practice in systematic qualitative analysis of anions and cations, and in the simpler volumetric and gravimetric methods of analysis. Prerequisite: Chemistry B3, or A1 and B2. Class, *S, II*; laboratory, *WF, 1:15-4:10*. Laboratory fee, \$10.00 each semester.

10a, C110b. Organic Chemistry.

MR. ROBINSON

A survey of the principal classes of carbon compounds and their characteristics, studies in synthetic methods and problems of structure and applied organic chemistry. Prerequisite: Chemistry B3, or A1 and B2. 4 units. Class, *VII*; laboratory, *T or W, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

11. Advanced Quantitative Analysis.

MR. LEIGHTON

A continuation of B6, designed to give the student a more comprehensive knowledge of the theory and practice of volumetric and gravimetric analysis. Either semester. Class, *F, V*; laboratory, *WF, 1:15-4:10*. Laboratory fee, \$10.00.

4a-C114b. Nutrition and Foods.

MISS OTIS

A survey of the methods used and the results obtained in investigations of dietetic requirements, and of the nutritive value of foods. No prerequisites. There will be no formal laboratory periods, but students will undertake projects of fact-finding or experimental character. Demonstration fee, \$1.00 each semester. 2 units. *TTh, II*.

5a, D115b. Biological Chemistry.

MISS OTIS

Lectures and reports, and qualitative and quantitative experiments on the chemistry of materials and life-processes of organisms. The fundamental principles of human nutrition are included. Prerequisite: Chemistry B6 and C110, or consent of instructor. Class, *WF, III*; laboratory, *F, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

9a, D119b. Physical Chemistry.

MR. LEIGHTON

A general review of the fundamental physico-chemical concepts and principles, with numerous illustrative problems, and laboratory practice in physico-chemical measurements. Prerequisite: or the first semester, a C course in either chemistry or physics; or the second semester, differential and integral calculus are also required. Class, *MW, V*; laboratory, *M, 1:15-4:10*. Laboratory fee, \$8.00 each semester.

COURSES OF INSTRUCTION

D121a, D121b. Chemistry Conference.

THE STA

Oral or written reports by students, on material found in current chemical literature; discussions of research methods, trend of present-day research, and recent developments, theoretical and applied chemistry. Each semester. One unit. May be repeated for credit.

D151a, D151b. Methods in Chemistry.

THE STA

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in spectroscopy, analytical methods, physical chemistry, organic syntheses, biological chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of such courses, and written reports are required. Prerequisites: Chemistry B6, C110 and consent of instructor. 2 or 3 units. A. Each semester. May be repeated for credit. Laboratory fee, \$5.00 per unit.

D201a, D201b. Research in Chemistry.

THE ST

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of problems suited to their experience, in physical, analytical, organic or biological chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. 2 or 3 units. A. Each semester. May be repeated for credit. Laboratory fee, \$3.00 per unit.

CLASSICS

GREEK

B1a-B1b. Elementary.

MR. RO

First lessons; relation to modern Greek and to English literature; basic vocabulary; selected short passages from Greek literature. Book I of Homer's *Illiad*. II.

C101a, C101b. Selections from Greek Literature.

MR. RO

Two sequences of readings are offered in alternate years: Herodotus, Plato, Homer, Greek comedy and tragedy, the New Testament. Studies in morphology and syntax are regular features of the work. The course may be repeated for credit in successive years. IX. (*Omitted in 1933-1934*).

LATIN

A1a-A1b. Elementary.

MR. RO

An introductory course in the rudiments of the Latin language with emphasis upon the relation of Latin to English and to the Romance languages. VII. (*Omitted in 1933-1934*).

-B3b. Cicero, Pliny and Horace.

MR. ROBBINS

Cicero, *De Senectute*; Pliny, *Selected Letters*; study of the life and times of the late Roman republic and early empire. Horace, *Odes and Epodes*; philosophy, history and mythology as reflected in the poems of Horace; study of the metrics of Horace and the influence of the Greek lyric poets. *VI*.

-C105b. Composition.

MR. ROBBINS

Review of Latin grammar; translation of sentences and connected discourse into Latin according to the needs of the class; lectures on word-formation and syntax. This course may be elected with credit and is required of students majoring in Latin. *A*. One unit.

-C107b. Roman Comedy and Elegy.

MR. ROBBINS

Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Tibullus, Propertius and Ovid. *I*.

-D109b. Roman History and Biography.

MR. ROBBINS

Two sequences of readings are offered in alternate years: a, Roman philosophy, satire, and pastoral poetry; b, Roman historical and political antiquities. The course may be repeated for credit in successive years. In 1933-1934, sequence b. *XIII*.

ECONOMICS

-A5b. Accounting.

MR. NESS

Study in theory and method, developing from the balance sheet the fundamental principles underlying alike the construction and interpretation of financial records. *MF, VII, and T or W, 1:15-4:05*.

-B11b. Principles of Economics.

MR. DUNCAN and MR. NESS

The basic course in the general principles of Economics. Required for students expecting to emphasize the study of Economics, and prerequisite for upper division courses in Economics. Economics A5 not prerequisite for Economics B11. Two sections. *I, III*.

-C5. Money and Banking.

MR. NESS

Principles of money, credit, and banking interpreted in the light of the institutions and financial organization designed to supply society with adequate media of exchange. First semester. *VI*.

-D. Public Finance.

MR. G. S. BURGESS

Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. Second semester. *IV*.

C107. Agricultural Economics.

MR. G. S. BUR

A study of the application of economic principles to the problems of agriculture, such as land tenure, transport, marketing and prices. First semester. *III*.

C109. Economics of Transportation Problems.

MR.

An historical and analytical study of transportation problems and problems, with particular reference to railway transportation in the United States. Second semester. *VI*. Offered in alternate years. (*Omitted in 1933-1934*).

C110. Corporation Finance.

MR. DU

Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including some study of cooperative organizations. Prerequisite: Economics A5, or equivalent training in Accounting. First semester. *IV*.

C120. Public Utility Economics.

MR.

An historical and analytical study of public utility problems in the United States. Particular emphasis is laid upon the economics of overhead costs, the role of competition, regulation and valuation. Second semester. *VI*. Offered in alternate years. (*Omitted in 1933-1934*).

D115. Principles of International Trade.

MR.

Principles and structure underlying international economic relations. Prerequisite: Economics C105. First semester. *V*.

D117. Economic Problems of the Orient.

MR. DU

A study of the economic, social and political problems of the Far East with special reference to current conditions in China. Enrolment restricted to those expecting to concentrate in the Social Science and to others by special consent of instructor. Second semester. *VII*.

D119. Monopolies and Trusts.

MR. G. S. BUR

A study of the economic principles and the legal status of monopolies. Second semester. *III*.

D252. Economic Theory.

MR.

The special topics studied vary from year to year, and include critical analysis of underlying economic theory and development. The course aims to synthesize the student's knowledge of Economics and culminates in the comprehensive examination required for those whose field of intensive study is Economics. Second semester. 3 units. *A*.

EDUCATION

. Introduction to Education.

MR. PATTEE

A course designed for those who desire an understanding of the American school system. The outstanding problems of present-day education are examined and certain approaches to a solution of these problems are discussed. This course or equivalent prerequisite for Education C104, D215, D217. First semester, I. Second semester. *IV*.

04a, C104b. History of Education.

MR. NICHOLL

The development of educational theory and practice from the Greek period to the present, with an attempt during the second semester to make a comparison of the established systems in American and typical European countries. *VII*.

10. Practice Teaching in Music.

Exercises in actual teaching under direction, regular conferences with the supervisor being a feature of the work. The course is open to those completing credential requirements during the current year. 4 units. Each semester. *A*.

15. Principles of Secondary Education.

MR. DOUGLASS

The factors and principles which underlie the theory and practice of secondary education, including the junior high school, the senior high school and the junior college. Second semester. *II*.

17. Problems of Education.

MR. DOUGLASS

Stress is placed upon current educational questions and literature. Students may consider individual problems, 2 or 3 units. Second semester. *A*. (*Omitted in 1933-1934*).

ENGLISH

Writing and Speech are emphasized features of all Lower Division courses. Persons who plan to concentrate in English should complete Reading List I before the beginning of the junior year.

-A1b. English: An Introductory Course.

THE DEPARTMENTAL STAFF

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the more

COURSES OF INSTRUCTION

important literary types; instruction and practice in writing and speech. 4 units. Prerequisite for all other department courses. Men: *WF, I*; section meetings at *II*. Women: *T, II*; section meetings at *I*.

B3. Shakespeare.

MR. FRAMPTON

A general course, including a consideration of Shakespeare's life and the conditions under which he lived and wrote, together with a study of the greater plays. Second semester. *V*.

B5a, B5b. Nineteenth Century Literature.

MR. HOWARD

Wide reading in the literature of the period, in poetry and essays especially, with lectures on its significance as an expression and interpretation of general English life. Registration limited to twenty-five persons, among whom properly qualified sophomores will be given preference. *III*.

B9. Types of Prose Fiction.

MR. I

A general survey of important works in prose fiction with emphasis upon the development and recurrence of significant phases within the type, such as tale, romance, novel. First semester.

B11. Character Presentation in Dramatic Literature.

MISS PRINCE

The theory and technique of character presentation as found in selected plays. The course looks toward character-interpretation through the actor's art. Permission of the instructor must be secured before registration for this course. Each semester. *II*.

B15a, B15b. American Literature.

MR. LIN

The literature of the United States, with emphasis on its expression of our national characteristics and sentiments. Offered to men and women in alternation; in 1933-1934 registration is limited to women. *VI*.

B21a, B21b. English Composition.

MR. FRAMPTON and MR. HOWARD

The fundamentals of effective expression in writing, with opportunity for practice in such special forms as the short story and the essay. *IV*.

ADVANCED COURSES

A substantial acquaintance with the books of Reading is most desirable as a preliminary to registration in Division courses.

101a, C101b. The Renaissance in England—from Chaucer to Milton.

MR. DAVIS and MR. STRATHMANN

The first half of the course will be devoted to Chaucer, his contemporaries and his imitators; the second, to the later non-dramatic writers of the Renaissance movement in England, Spenser, Bacon and Milton being main figures. *IV*.

103a, C103b. Literature of the Eighteenth Century.

MR. MC CULLEY

The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginnings of the English novel; the spread of the romantic movement in England and on the Continent. Registration limited to twenty, the permission of the instructor being prerequisite. *III*.

08. Contemporary Poetry.

MR. LINCOLN

A course in the forms and content of contemporary poetry with directed practice in the writing of verse. Second semester. *V*.

11. The Short Story.

MR. FRAMPTON

Practice in supervised writing of short-stories. Study of significant short-stories. First semester. *V*.

17a, C117b. History of English Drama to 1642.

MR. FRAMPTON

Lectures and readings tracing the historical development of English drama from its beginning to its flowering in the work of Shakespeare and his contemporaries; thence through its decline to the closing of the theatres. *VII*.

25a, D125b. Shakespeare. MR. LINCOLN and MR. MC CULLEY

A study of Shakespeare's complete works. *IV*.

27. Literary Criticism.

MR. FRAMPTON

An examination of the bases of literary criticism; studies of outstanding modern critics; frequent practice in supervised critical writing. First semester. *I*.

01a, D201b. The Great Victorians and their Successors.

MR. MC CULLEY and MR. HOWARD

First semester: The England of 1832-1882 studied in comparison with contemporary America and continental Europe; the Victorian spirit and point of view as expressed by its "major prophets"; the reactions that heralded the present-day temper and outlook. Second semester: A continuation of the com-

COURSES OF INSTRUCTION

parative study, the main emphasis falling, however, on recent American developments. *V*.

D203a, D203b. Creative Writing.

MR. LINCOLN and MR. FRAMPTON

Supervised practice in all forms of creative writing. Study of literary matters and fields of literary interest. *T, X and XII, and F,*

D207a, D207b. The English Language.

MR. STRATHMAN

Old English grammar with selected readings, followed in the second semester by a study of the language in its later developments with a view to an understanding of present-day English usage. *VI.*

D215a, D215b. The Development of English Literature.

THE DEPARTMENTAL STAFF

Lectures, reading, papers and oral reports directed toward synthesis on the student's part of his work in the field of literature and allied subjects; the course culminates in the comprehensive final examination required of persons concentrating in English. Prerequisite: English C103 (a grade of B or better or an equivalent). Registration for the second semester is conditioned upon a grade of B or better in the first. *M, XI, and XII and XIII.*

FRENCH

A1a-A1b. Elementary.

MRS. BISSIRI, MR. CROWELL, MISS WAGNER

Essentials of grammar and pronunciation; readings from modern texts; writing from dictation; practice in speaking. *VII (2 sections).*

B3a-B3b. Intermediate.

MRS. BISSIRI and MISS HUNTER

A review of grammar with the translation of moderately difficult English into French; conversation. Extensive reading of modern French texts representing as many literary forms as possible; a part of this reading is done as outside assignments; French history, geography, culture, etc., are stressed in class discussion as far as time allows. *III (2 sections), VII.*

C103a, C103b. Literature of the Nineteenth Century.

MRS. BISSIRI

In the first semester stress will be upon the theater, from the romantic period to the end of the century. In the second semester, an intensive study of the romantic poets will be made, followed by a consideration of the later poets and certain writers outside the field of the novel. *V.*

11a-C111b. Composition and Conversation. MRS. BISSIRI

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation, phonetics being used as an aid. This course is conducted, for the most part, in French. *IV*.

13a, D113b. Literature of the Seventeenth Century.

MRS. BISSIRI

In the first semester, introductory lectures on the historical background and the precursors of the great dramatists, with a detailed study of the great plays of Corneille and Racine and certain of the writings of Boileau, Mme. de Maintenon and others; followed in the second semester by a detailed study of Molière and a consideration of La Fontaine, La Bruyère, Descartes, Pascal, etc. *XI*.

17. Le Moyen Age.

MR. JONES

Poetry of the middle ages. Les chroniqueurs. Villon. Lectures upon the literary history of the period. Collateral readings. First semester. *VI*. (*Omitted in 1933-1934*).

18. La Renaissance.

MR. JONES

Ronsard and the Pléiade. Rabelais and Montaigne. Poetry of Marot. Lectures and collateral readings. Second semester. *VI*. (*Omitted in 1933-1934*).

GEOGRAPHY

Courses in this field are available at Scripps College.

GEOLOGY

, B1b. Introductory Geology.

MR. WOODFORD

Dynamic, structural and historical geology. Prerequisite: High school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Class, *WF, I*; laboratory, *W* or *Th*, 1:15-4:15. Laboratory fee, \$3.00 each semester.

Determinative Mineralogy.

MR. WOODFORD

Prerequisite: High school chemistry or equivalent. First semester. Two laboratory periods. 2 units. *A*. Laboratory fee, \$4.00.

5. Crystallography.

MR. WOODFORD

Must be preceded or accompanied by Geology B3, unless taken upon the written recommendation of the Department of Chemistry or of Physics. First semester, 2 units. *WF, V*.

0. Petrology.

MR. WOODFORD

The study of rocks without the microscope. Prerequisite: Geology B1a, B3 and C105. Second semester. One class and two laboratory periods. *A*. Laboratory fee, \$4.00.

COURSES OF INSTRUCTION

C107a-C107b. Invertebrate Paleontology. MR. WOODF

Prerequisite: Geology B1b; recommended preparation: Zool B11. Two class and one laboratory periods, first semester; class and two laboratory periods, second semester. *A.* Laboratory fee, \$6.00 each semester. Given alternate years.

D104. Field Geology. MR. WOODF

Prerequisite: Geology B1b, C110. A summer course of three six weeks. 3 or 6 units. *A.*

D111-D112. Petrography. MR. WOODF

Refraction and double refraction; the optical indicatrix; s of minerals and rocks with the petrographic microscope. prerequisite: Geology C105. Two class and one laboratory per first semester; one class and two laboratory periods, se semester. *A.* Laboratory fee, \$5.00 first semester; \$8.00 se semester. Given alternate years. (*Omitted in 1933-1934*).

D230, D231. Geological Investigation and Research.

MR. WOOD

3 units. *A.* Laboratory fee, \$4.00 each semester.

GERMAN

A1a-A1b. Elementary German.

MISS WA

The acquirement of a small working vocabulary. Constant training, and as much practice in speaking as time permits. Daily exercises in reading and writing. The essentials of grammar. Etymology. Comment on German life and literature. *III, IV.*

A-B. Elementary and Advanced German.

MISS WA

Two years of German in one year. 6 units. *V, VI.*

B3a-B3b. Advanced German.

MR. BAU

More advanced German language study through intensive reading and discussion of selected German works, with considerable extended reading in the field of the student's individual interest. Continued practice in German conversation. Some attention to an understanding of the cultural life of Germany, Austria, and Switzerland. Prerequisite: German A1 or an equivalent.

C109a, C109b. German Literature of the Nineteenth Century.

MR. BAU

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: German B3 or equivalent. *IV.*

C13a, C113b. German Classics of the Eighteenth Century.

MR. BAUMANN

A study of outstanding works and personalities of the period with particular attention to the masterpieces of Lessing, Goethe, and Schiller. Prerequisite: German B3 or equivalent. *IV. (Omitted in 1933-1934).*

C18a, D118b. Modern German Literature.

MR. BAUMANN

The development of German Literature from 1880 to the present with reference to the political and social changes during that period. *I.*

HISTORY

C-A1b. The Development of Western Civilization.

MR. PITMAN and MR. COOKE

The evolution of civilization in Europe from antiquity to the present, and its spread throughout the world. Attention is paid to the political, religious, intellectual, and economic forces of change. The aim is to lay a foundation for the understanding of contemporary problems. This course or its equivalent is normally a prerequisite for advanced courses in history. Two sections. *III, IV.*

C-B7b. English History.

MR. PITMAN

A survey of the development of the main features of civilization in England and the British Empire. Emphasis is laid upon the evolution of religious, intellectual, and economic forms as well as the growth of political institutions. Thus the course is largely a study of the cultural heritage of America. First semester, Great Britain to 1660; second semester, Great Britain and the Empire since 1660. *VII.*

C-B9b. North America since 1763.

MR. COOKE and MR. PITMAN

The development of political, economic and social life in the United States, with attention to such agrarian, industrial, and political forces as have transcended national boundaries. *II.*

C11a, C113b. Modern European History.

MR. COOKE

Following an introductory survey of the forces operating in the society of the eighteenth century a study is made of the French Revolution and the Napoleonic period. The development of European nations is traced in its political and cultural aspects with emphasis upon international relations, the World War, the League, and problems of reconstruction. First semester to 1878; second semester 1878 to the present. *VII.*

RC113a, RC113b. Reading in Modern European History.

MR. CO

Reading in contemporary European biography for honor students and majors in social science to accompany the curricular work in History C113a, C113b. List of suggested books available upon request. Weekly conferences. Each semester. 3 units.

C117a, C117b. The History of the Greeks and Romans.

MR. ROB

Grecian civilization from its establishment until the Roman conquest, followed by a study of Rome from the founding of Eternal City until the reign of Justinian. Emphasis is placed on the civilization and literature of the Greeks and Romans.

C118. The Spanish Southwest.

MISS NE

The exploration and colonization of the Spanish Southwest; development of its institutions; its conquest by the Aztecs and Saxons; and its subsequent development as a part of the United States. The course will make use of the Mason Library of California and Western American History. First semester. XI.

D119. American Diplomatic History.

MR. CO

The development of American foreign policy as revealed in the relations of the United States with European, Asiatic and American nations, with emphasis upon recent times. Second semester. I.

RD119. Reading in American Diplomatic History.

MR. C

Reading in American foreign relations for honor students and majors to accompany the curricular work in History D119. List of suggested books available upon request. Weekly conferences. Second semester. 3 units.

D125. Economic and Social History of the United States.

MR. P

A study of agrarian, commercial, and industrial conditions which helped determine the character and importance of the major political and social problems of American colonial and national history. Attention is given to the economic foundations of American imperialism. Lectures, investigation of topics, reports. First semester, T, XII and XIV; Th, 4-5.

RD125. Reading in Economic and Social History of the United States.

MR. P

A course of reading for honors students concentrating in History to accompany History D125. List of readings obtainable upon request. Weekly conferences. First semester. 3 units.

32. Development of Social Classes in the United States.

MR. VOORHIS

A study of the social and economic forces in American life which have brought about the dominance of various social classes at different periods in the history of the nation; and a consideration of the evolution of the United States from a nation dominated by the presence of a frontier of free land to a nation laboring with the complexities of a highly industrialized civilization. Second semester. *T, XII; Th, 4-6.*

ITALIAN

a-B31b. Elementary.

MR. CROWELL

A rapid survey of the grammar with special emphasis on the pronunciation. Extensive reading of modern prose. Open only to students who have a thorough grounding in French, Spanish, or Latin. *VI.*

MATHEMATICS

A1b. Introduction to College Mathematics.

DEPARTMENTAL STAFF

The objective of this course is to prepare students for work in calculus the following year. The subject matter covered with particular students will be adjusted to meet their needs as evidenced by their previous preparation. Prerequisite to further work in the department. To be offered at two periods and in as many sections in each period as the registration calls for. *IV* and

Statistical Methods.

MR. JAEGER

Graphs, averages, frequency distribution, probability, correlation. Second semester. *MW, III; laboratory, F, 1:15-4:10.*

Surveying.

MR. TAYLOR

Use and adjustment of surveying instruments. Methods of making and mapping surveys for various purposes. Given during summer session at the Bluff Lake Camp of Pomona College. Prerequisite: Plane trigonometry. 6 units.

B15b. Differential and Integral Calculus.

MISS BERRY and MR. JAEGER

Continuation of Mathematics A1. *III* and *IV.*

C119b. Higher Algebra and Theory of Equations.

MR. JAEGER

Theory and solution of higher algebraic equations and other advanced topics in algebra. *VI.*

COURSES OF INSTRUCTION

D120a, D120b. Differential Equations.

MR. JAEGER

A general course in the theory and solution of differential equations. *I*.

D121a-D121b. Advanced Calculus.

MR. TAYLOR

Some of the subjects studied are partial differentiation, elliptic integrals, line, surface, and volume integrals, Green's Theorem, Stokes' Theorem, and Fourier's series. *III*.

D130a, D130b. Selected Topics in Higher Mathematics.

MR. JAEGER and MR. TAYLOR

From time to time work in complex variables, projective geometry, differential geometry and number theory will be given if the demand requires. 1 to 3 units. *A*.

GRAPHICS

A7a, A7b. Engineering Drawing.

MR. TAYLOR

A beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. 1 or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

B9a, B9b. Engineering Drawing.

MR. TAYLOR

A more advanced course in mechanical drawing and descriptive geometry. Treats of orthographic and perspective projection, machine and structural details. Prerequisite: Engineering Drawing or its equivalent. 1 or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

C112a, C112b. Engineering Drawing.

MR. TAYLOR

Design of cams, gears, machine parts and simple trusses. 1 or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

MILITARY SCIENCE

The college maintains an Infantry Unit, Senior Division, and a Reserve Officers' Training Corps, established under the National Defense Act for the general purpose of qualifying students for positions of leadership in time of national emergency. The courses include classroom instruction covering the basic technical knowledge required for appointment as commissioned officers of the United States Army and military drills designed to improve the mental and physical coordination of the student. Special emphasis is placed upon the development of qualities of leadership, and the qualities acquired by the student and his practical experience in the command may be applied in many walks of life. Students v

essfully complete the four-year course will be tendered commissions as second lieutenants in the Officers' Reserve Corps.

The instructors in the department are officers of the Regular Army detailed for duty at the college by the War Department. The equipment provided includes a set of instruments for a 28-piece band and an ample supply of weapons including rifles, automatic rifles, machine guns, a one-pounder gun and Stokes Mortar, all of which are available for the use of students without cost. Allowances of ammunition for target practice are also furnished without charge.

The four-year course is divided into the basic course, consisting of the first two years, and the advanced course, consisting of the work of the third and fourth years. Enrolment in either course is voluntary but, when a student has elected either the basic course or the advanced course, completion of the course elected becomes a prerequisite for graduation. Students who have had military training in junior units of the R. O. T. C. may be admitted to advanced standing. In general two years work in a junior R. O. T. C. unit will be required for admission to the second year basic course and a minimum of three years work in a junior unit for admission to the first year of the advanced course.

The basic course is open to all physically fit male students who are American citizens. Enrolment does not involve any obligation for military service nor does it interfere with the student's participation in sports. Uniforms are issued without charge to students enrolled in the basic course.

Enrolment in the advanced course is limited to selected students who have completed the basic course or its equivalent and who enter into an agreement to attend one summer instruction camp for a period of six weeks. In consideration of this agreement students receive from the government cash allowances equivalent to a scholarship of about \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from camp, are provided by the government.

1a-A1b. First Year, Basic Course.

MAJOR SIMPSON

National Defense Act and the R. O. T. C.; military courtesy and discipline; military hygiene and first aid; close and extended order drill and ceremonies; rifle marksmanship; scouting and patrolling. 1½ units. 2 sections. Class, *M, I and III*. Drill, *M, 1:15-3:05*.

2a-B3b. Second Year, Basic Course.

CAPTAIN CHAMNESS

Automatic rifle; musketry; drill and command; scouting and patrolling; combat principles of the rifle squad. 1½ units. Class, *S, VI, or F, IX*. Drill, *M, 1:15-3:05*.

305a-C105b. First Year, Advanced Course.

CAPTAIN CHAMNESS

Map reading and military sketching; interpretation of aerial photographs; drill and command; machine guns; 37mm gun and

COURSES OF INSTRUCTION

trench mortar; combat principles of the rifle section and platoon. $3\frac{1}{2}$ units. *III* or *VII* and *M*, 1:15-3:05.

D107a-D107b. Second Year, Advanced Course.

MAJOR SIM

Infantry weapons; military law and Officers' Reserve Corps regulations; military history and policy; military correspondence and administration; field engineering and camouflage; drill and command to qualify the student to perform the duties of platoon and company commanders; combat principles of the rifle platoon, machine gun companies and howitzer platoon. $3\frac{1}{2}$ units. 2 sections. *IV* and *II*; *M*, 1:15-3:05.

Music

THEORY AND APPRECIATION

A1a-A1b. Elementary Harmony. MR. ALLEN, MISS STA

A study of intervals, scales, tonal magnetism, perfect and dominant seventh and ninth chords, and all non-diatonic chords. Harmonization of melodies. Prerequisite: Elementary Music. Edge of the pianoforte. Two sections, *III*, *IX*.

A2a-A2b. Sight Singing and Dictation.

MISS STA

A study of scale tones and their relationships. Rhythmic, melodic, and simple harmonic dictation, with a view to discriminating and proficiency in sight reading. Students majoring in music are expected to take this course simultaneously with that with which it is closely correlated. *V*. 2 units credit.

B3a-B3b. Appreciation of Music.

MR. SUTHER

A course designed to stimulate the enjoyment of music by means of the development of intelligent listening; planned to give a general idea of the elements, structural principals, and aesthetic content of music. Not designed for students majoring in music. *MF*, *XI*.

B4a-B4b. History of Music.

MR. SUTHER

A general survey of the history of occidental music from the beginning of the Christian era. Prerequisite: Music A1. 2 sections. *TTh*, *X*.

B5a-B5b. Advanced Harmony.

MR. SUTHER

Secondary harmonies. Modulation and chromatically altered chords. Extensive keyboard drill. Creative work is emphasized from the beginning. Harmonization conducted on a melodic basis. Prerequisite: Music A1 or equivalent. *V*.

B6a-B6b. Advanced Dictation.

MR. SUTHER

A continuation of A2a-A2b, employing triads, seventh chords, and modulation. Dictation in two, three, and four part harmony may be taken simultaneously with B5 by music majors. Prerequisite: Music A2. *MF*, *IX*. 2 units.

C107b. Counterpoint.**MR. ALLEN**

study of Simple Counterpoint in the five species with an aim to develop technique in voice leading. Two and three part inventions. Creative work in various contrapuntal forms, as the Invention and the Suite, will be undertaken during the course. Prerequisite: Music B5. *VI*.

Form and Analysis.**MR. SUTHERLAND**

designed to lead to a clear understanding of the principles upon which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music B5. 2 units. First semester. *TTh, II*.

C113b. Orchestration and Instrumentation.**MR. GRAY**

study of the instruments of the modern orchestra; their history, technical limitations and use in various groups; study of orchestration and the technique of scoring; the theory and practice requiring. This course is especially designed to meet the needs of student desiring the state certificate. Prerequisite, year 10. *I*.

C108b. Free Composition.**MR. ALLEN**

advanced original work in the shorter free styles. Text—Goettius "Homophonic Forms." Prerequisite: Music C107. *A*.

D110b. Church Music.**MR. CLOKEY**

First semester. History of religious ceremonials, development of ecclesiastical music. Types of church choirs with repertoire table for each group. Second semester. Class will be organized as a choir. Actual experience in conducting. A small purchase of music will be required, constituting a repertoire of vocal church music of various periods. Two lecture-laboratory periods per week. One unit. *A*.

Public School Music Methods.**MR. COLEMAN**

Selection, presentation and interpretation of the song. Methods of developing sight-singing and other technical problems. A brief study of child psychology. Teaching plans with a bibliography of material. First semester. 2 units. *A*.

APPLIED MUSIC**Class Instruction (No special fees).****B37b. Choral Singing.****MR. LYMAN**

study and production of choral music, especial attention being given to diction, phrasing, content of the works dealt with, and an understanding of musicianship as applied to choral singing. The Class will be organized as the College Choir and as the Chorus. They will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays and Thursdays from 12:30 to 12:20. 1 unit. The course may be repeated for credit.

B9a-B9b. Ensemble Playing.

MR.

The principles of ensemble playing approached through practice with emphasis on accuracy in technic, intonation, rhythmic tone quality; practice in conducting from complete and condensed conductor's scores. Three hours of attendance will be given one hour credit. The course may be repeated for credit.

II. Individual Instruction (Special fees charged).

The student in applied music under individual instruction may be enrolled for credit toward the Bachelor of Arts degree upon the written recommendation of the Chairman of an Examining Committee and the Head of the Department, and upon the subsequent favorable action of the Classification Committee. The recommendation is based upon the degree of ability and advancement shown in Proficiency Tests. In addition the work in applied music must be accompanied or preceded by A1 or A2. A semester year or more of credit is possible when the applied course is accompanied or preceded by B5 or B6. A minimum of two half lessons weekly is required for which two hours' credit is allowed. No college credit is given for work below "B" (Sophomore) grade. (As many Freshmen are able to pass the prerequisite tests allow them to take "B" grade work, students of all classes are advised to confer with the Head of the Department regarding eligibility for credit.) Not more than 12 hours' credit in applied music may be counted toward the Bachelor of Arts degree unless the student is able to present a total of 8 hours of "D" (Senior) grade work in any subject. In this case 16 hours' credit may be allowed. Proficiency tests are required only of students desiring credit toward the Bachelor of Arts degree.

Voice

MR. LYMAN, MISS STEVENSON

Organ

MR. CLARK

Piano

MR. OLIVE, MR. SUTHERLAND

Violin

MR. UNDERHILL

Cello and Orchestral Instruments

MR.

Lessons on other instruments may be arranged for private instruction through the office of the Music Department.

III. Group Instruction (Special fees charged).

Class lessons for beginning students are offered at special rates, a registration of four persons being set as the class minimum. For this work no collegiate credit is given. Each class meets once a week for an hour.

Classes in Voice

MISS STEVENSON

Classes in Orchestral Instruments

MR.

PHILOSOPHY

1. Introduction to Logic.

MR. IREDELL

A study of the elements of deductive and inductive reasoning with special emphasis upon the problems of definition, the nature and use of scientific hypotheses, probability, and deductive and inductive fallacies. Both semesters. *I.*

2. Ethics.

A study of the nature of morality, the problem of human freedom, the standard of judgment of right and wrong and of social and individual judgments on moral questions. An examination of conscience and reason. First semester. *V.* (*Omitted in 1933-1934.*)

25a, C125b. History of Philosophy.

MR. IREDELL

A study of the main currents of thought from the earliest Greek thinkers through modern philosophic thought. The course is designed to be a general and cultural introduction to philosophy through history. *VI.*

27. Introduction to Philosophy.

MR. IREDELL

An introductory consideration of the meaning and method of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology and a review of some of the main philosophic estimates of life. Second semester. *V.*

3. Philosophy of Evolution.

MR. DENISON

A study of the nature of the evolutionary process, with examination of Darwin's idea of evolution, and later theories, in their scientific and metaphysical aspects, such as mechanism, teleology, creative evolution, and the place of man and value in the order. First semester. *IV.* (*Omitted in 1933-1934.*)

7. Theory of the Self in Contemporary Philosophy.

MR. IREDELL

A critical survey of contemporary views about the nature of the self, considering such problems as the definition of the term, the nature of self-knowledge, and the place of selves in reality. First semester. *VII.*

2. Philosophy of State and Law.

MR. DENISON

A philosophical study of the nature and function of the state and its basis in human nature, together with an examination of the philosophies of democracy, of the economic order of internationalism and of law. Background in Social Psychology or Political Science required. Second semester. *IV.*

COURSES OF INSTRUCTION

PHYSICAL EDUCATION

Students who wish to prepare to teach physical education in public schools may qualify for the general credential with a major in physical education by completing a program of courses in Pomona College, followed by a year of graduate work in Claremont College.

MEN AND WOMEN

A student may count toward graduation not more than one hour per semester in "sports" and "activities" during his Lower Division years, and not more than one-half-hour per semester during his Upper Division years.

C126. Community Health. MISS K

A brief survey of the field of public health in the United States. Environment and other contributory causes of disease; conservation of child life. Modern scientific hygiene and the contribution of the total health teaching program. Second semester. *TTh, IV.*

C127. Community Recreation. MR. F

A study of the organization of the school and the public recreation ground, the types of leadership, and types of games best for various age periods. Discussion of the technique of organizing the recreation center and community organization and leadership. Second semester. 2 units. *WF, IX.*

C128. Nature and Function of Play. MISS F

The biological interpretation of play and the function of play in growth, development and social adjustment. Methods of supervision and organization of play activities to bring out the best habits, attitudes and judgments. First semester. 2 units.

C130. Kinesiology. MISS RE

Body structure considered in relation to problems of physical education; the mechanics of joint movement and its application in selected activities. Prerequisite: Anatomy. Second semester. *III.*

D131. Corrective Physical Education. MISS RENSHAW and MR. S

Study and treatment of functional and structural abnormalities and anatomical conditions. Laboratory work including prescription of special exercises, methods of examination, and massage. Prerequisite: C130. First semester *MW, I;* and laboratory *I.*

D133. Principles of Physical Education. MR. S

Limited to Seniors preparing to teach Physical Education. Second semester. *VII.*

MEN

Students are assigned to courses in sports, gymnastics, or corrective exercises according to their needs as determined by physical examinations and physical efficiency tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. Among the minimum requirements of the Department are good posture, ability to swim, elementary skill in self defense or gymnastics, and proficiency in fundamental activities such as running and jumping.

1a-A1b. Sports, Gymnastics or Corrective Exercises.

THE STAFF

Required, Freshman year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

2a-A2b. Gymnastic Exercises.

MR. STREHLE

Required of Freshmen not taking military. $\frac{1}{2}$ unit. *A*.

5. Hygiene.

MR. NIXON

Elective either semester. 2 units. *TTh, VI*.

3a-B3b. Sports or Gymnastics.

THE STAFF

Required, Sophomore year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

4a-B4b. Sports.

THE STAFF

Required of Sophomores not taking military. Sophomore year. $\frac{1}{2}$ unit. *A*.

105a-C105b. Sports.

THE STAFF

Required, Junior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

107a-C107b. Sports.

THE STAFF

Required, Senior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

219a-D219b. Technique of Teaching Physical Education

Activities. MR. HEATH, MR. STREHLE and MR. MERRITT

This course is devoted mainly to methods in teaching and supervising athletics. 2 units. *A*.

WOMEN

A medical and physical examination is given all entering students with subsequent posture tests. Physical activities are allowed as prescribed as the result of these examinations. During the Freshman and Sophomore years, two hours a week each semester of fundamental activities are required. This requirement may be met by participation in Gymnastics, Dancing, Remedial or Games and Sports. Students may have freedom of election in sports in so far as medical and physical examinations warrant, but must include during the Freshman and Sophomore years one individual sport, one team or group sport and one semester of either clogging, folk, or social dancing.

A5. General Hygiene.

MISS KE

2 units. Each semester. *TTh, VI.***A11a-A11b. Fundamentals.**

THE S

Required, Freshman year. $\frac{1}{2}$ unit. *MW, VII or XIII.***A12a-A12b. Sports and Dancing.**

THE S

Required, Freshman year. $\frac{1}{2}$ to 1 unit. *A.***B13a-B13b. Fundamentals.**

THE S

Required, Sophomore year. $\frac{1}{2}$ unit. *TTh, VI or XIV.***B14a-B14b. Sports and Dancing.**

THE S

Required, Sophomore year. $\frac{1}{2}$ to 1 unit. *A.***C115a-C115b. Sports and Dancing.**

THE S

Required, Junior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A.***C117a-C117b. Sports and Dancing.**

THE S

Required, Senior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A.***C119a-C119b. Teaching and Supervising Sports.**

MISS K

1 unit. *W, XI.*

PHYSICS

A1a-A1b. Introduction to Physical Science.

MR. TILESTON and MR. F

A non-mathematical course intended for those who wish to obtain a knowledge of the fundamental facts, theories and applications of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the electron structure of matter. *V*
\$5.00 each semester.

B2a-B2b. General Physics

MR. TI

A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. *I.*

B4a-B4b. Physical Measurements.

MR. TILESTON and ASSI

Quantitative laboratory work in the subjects indicated in B2a-B2b. Must accompany B2a-B2b. *W and Th, 1:*
1 or 2 units. Laboratory fee, \$3.00 each unit.

110. Slide Rule and Precision of Measurements.

A study of the principles of precision of measurements and the application of these principles to experimental data. The student will be given the opportunity to learn the operation of the log-log slide rule and the computing machine. This course should be taken by all majors in the department and is given in the Claremont Colleges Summer Session. 2 units.

111a-C111b. Electricity and Magnetism.

MR. TILESTON

A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics B2, B4. 3 units. *II.*

109a-D109b. Electrical Measurements.

MR. HAUPT

Laboratory in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacity. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics C111a-C111b preceding or accompanying this course. 1 or 2 units. *A.* Laboratory fee, \$4.00 each unit.

113a, D113b. Analytic Mechanics.

MR. TAYLOR

A study of force and motion with special reference to engineering problems and structures. Prerequisite: A knowledge of Calculus. *VII.*

115a-D115b. Physical Optics.

MR. HAUPT

The fundamental laws of geometrical optics, the wave theory of light, interference, diffraction, polarization, electromagnetic theory of light, reflection and refraction, dispersion, magneto-optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics B2, B4 and Calculus. *A.*

17a-D117b. Optics Measurements.

MR. HAUPT

Quantitative verification of the laws of geometrical optics, interference, diffraction, polarization, dispersion and refraction, photometry and photography. Special emphasis will be given to the work in experimental spectroscopy. Laboratory to accompany D115. 1 or 2 units. Laboratory fee, \$4.00 per unit. *A.*

20. Research.

MR. TILESTON and MR. HAUPT

The following problems are in progress in the department:

- A. Probability laws governing ionization by the method of electron impact.
- B. Energy losses in electron beams due to inelastic collisions with atoms and molecules.
- C. Molecular constants by band spectra methods.

Majors in the department who are properly qualified will be accepted as research associates in the study of these problems. Each semester. 1 to 3 units. *A.* Laboratory fee, \$2.00 per unit.

POLITICAL SCIENCE AND LAW

INTRODUCTORY COURSES

A1a, A1b. The Foundations of Government.

MR. S.

The genesis and nature of political control; analysis of self factors in the field of political control, especially of individual and group relationship to it. First semester. The fundamental problems which arise with the attempt to exercise political control, *e. g.*, formulation of policy, selection and control of leadership, development of governmental structure and machinery, etc. Second semester. Registration limited to first division students. 2 units. *WF, XI*, with third hour at the pleasure of the instructor. *A*.

B3a, B3b. Contemporary Governments.

MR.

Modern solutions to problems in the field of political control. The character, institutional forms, and political practice of principal contemporary foreign governments with special attention to English government. First semester. American government including a study of the principles and problems of American national, state and municipal polity. Second semester.

C101. Principles of Government.

MR. S.

An examination of the current working hypotheses derived from man's experience in government; together with an attempt to discover the assumptions and premises which are the background of the principles examined. Registration limited to advanced students who have not had Political Science A1a. 2 units. First semester. *WF, VII*, with a third hour at the pleasure of the instructor.

ADVANCED COURSES

Seven or eight hours work in the introductory courses above, or the consent of the instructor, is an absolute prerequisite for these courses.

C103. Municipal Problems.

MR.

Survey of modern experience in the organization and administration of urban communities. Analysis and causal explanation applied to selected problems of American municipal government with special attention to conditions in California cities. First semester. *III*.

C104. Political Institutions.

MR.

Consideration of the more important institutions of popular government and of the efforts to adapt them to increasingly complex conditions. Second semester. *VI*.

05. Introduction to Law.

MR. G. S. BURGESS

The development of American law and legal institutions with some analysis of the rights and liabilities arising from the more common legal relationships. First semester. *I*.

08. Problems of International Relations.

MR. SAIT

The formulation and control of foreign policy in a democracy; the treaty-making power; contemporary problems arising from competitive national interests including the control of economic imperialism; the "outlawry of war"; and international organization. First semester. *II*.

09. Political Problems of Eastern Asia.

MR. STORY

A survey of selected phenomena in the contemporary political life and international relations of China, Japan and Asiatic Russia, with particular emphasis upon China. Open to upper division students who have a satisfactory elementary knowledge of one or more of the following subjects: Political Science, History, Economics, Sociology or Philosophy. 2 hrs. Second semester. *WF, VII*, with a third hour at the pleasure of the instructor.

12. Public Opinion.

MR. STORY

The origin and nature of individual and group attitudes toward public policy; the scope and function of individual and group opinion in relation to public affairs; the modes and agencies affecting the formulation and expression of public opinion and available for making it effective in law and policy. Second semester. *III*.

13. Political Parties.

MR. SAIT

Analysis of the problem of getting candidates and policies accepted in large democratic communities with diversified social and economic interests. First semester. *VI*.

14. Constitutional Law.

MR. G. S. BURGESS

An examination of the Constitution of the United States and the decisions of the Supreme Court upon questions arising thereunder. Second semester. *I*.

18. International Law.

MR. SAIT

The nature, sources and development of international law; its function in the international community; the rights and duties of states; pacific and belligerent procedure for the protection of rights; the League of Nations and the Permanent Court of International Justice. Second semester. *II*.

COURSES OF INSTRUCTION

THE READING PROGRAM IN POLITICAL SCIENCE¹

A student concentrating in the Division of Social Science chooses Political Science as his field of intensive study will be expected to make the following reading program the dominant feature of his upper division work. It represents a possible two to four hours of credit in the department with an additional six to eight hours contingent upon the completion of summer courses of reading. The amount of credit achieved by any particular student will depend upon an appraisal of his work made at the end of his Senior year.

A feature of this program — one that imparts organization and direction to the student's work as a whole — is its incorporation of advanced departmental courses as contributing elements; from two to six of such courses must be completed by each person registering for the program. It is also a feature of the program that a student who registers for it shall meet regularly in a group with the department faculty for reports, discussions, and the planning of future reading.

C151, C152. Reading in Political Science.

MR. G. S. BURGESS, MR. SAIT and MR.

D251, D252. Reading in Political Science.

MR. G. S. BURGESS, MR. SAIT and MR.

1. *Political Thought*: The great classics of Political Science from Plato's *Republic* to the significant works of contemporary writers.
2. *Governmental Institutions*: Three lines of reading from the following to meet individual emphases:
 - a. American Government.
 - b. Foreign Governments.
 - c. Comparative Municipal Government.
 - d. International Political Institutions.
 - e. Comparative Legal Institutions.
 - f. Public Opinion.
 - g. Public Administration.

¹The first section of the program is offered to Juniors, the second to Seniors. In each registration the departmental course or courses, any, regularly carried by the student will appear on his registration card in parenthesis after the entry proper to the program, e.g. C151 (C105, C108).

The opportunities of the program as a whole are offered to students concentrating in the Division of Social Science with Political Science as the field of intensive study. A student concentrating in the Division who elects some other field for intensive study may arrange, on the recommendation of the department committee, to complete one or more of the sections of the program as listed below, and receive proportionate credit.

3. *Political Biography*: The lives of great public leaders, with some emphasis upon those of the United States and Great Britain. "Works" and autobiographies will be included.
4. *Bibliography and Methods*: A survey of bibliographical resources in selected fields; methods of investigation including the technological contributions of history, law, sociology, psychology and statistics. 24-30 units. *A*.

PSYCHOLOGY

B1 is prerequisite to all further courses in the department. The sessions in B1 are limited to forty each.

Elements of Psychology.

MR. EWER and MR. ELLIS

The fundamental facts and laws of the mind. Principles of sensation, perception, memory, thought, feeling, emotion, instinct, and will. The relation of mental processes to the nervous system and to action. Each semester. First semester, Mr. Ewer, *IV*; Mr. Ellis, *III* and *VII*; second semester, Mr. Ellis, *VI*; Mr. Ewer, *V*.

4. Child Psychology.

MR. ELLIS

An intensive survey of physical and mental growth and development. Particular attention will be given to methods of child rearing and to the hygiene of growth. Second semester. *III*.

5. Individual Differences.

MR. ELLIS

A study of the nature and extent of individual differences and their causes as determined by objective methods. Age, sex and race differences. Genius, subnormality, insanity and criminality. The organization of mind. Applications in various fields are considered briefly. First semester. *IV*.

6. Problems of Psychical Research.

MR. EWER

The mysterious phenomena of the mind presented in the light of scientific psychology. The subjects considered include hyperesthesia, automatisms, illusions and hallucinations, hypnosis, contemporary occultism and spiritualism. Second semester. *VI*.

7. Educational Psychology.

MR. EWER

Practical applications of psychology to education. The nature of the learner; principal features of the learning process; principles of motivation; methods of mental measurement. First semester, *III*. Second semester, *IV*.

8. Applications of Psychology.

MR. ELLIS

A critical study of the fundamental principles underlying applied psychology together with their application in various fields, especially business, psychotherapy and law. First semester, *VI*.

C112. Social Psychology.

MR. EW

Mental processes underlying social order and progress; individual as the social unit; collective forms of behavior. First semester, *VII*.

C118. Experimental Psychology.

MR. EI

A laboratory course in psychology accompanied by lectures; discussions of the principles of scientific method used in psychological investigations. Second semester. Class, *MW, VII*; laboratory, *W, 1:15-4:10*. Laboratory fee, \$2.00.

D209a, D209b. Advanced Psychology.

MR. EWER and MR. EI

First semester, the historical development of psychology; various systematic points of view in contemporary psychology. Mr. Ewer. Second semester, a critique of objective method in psychology, with special reference to behaviorism and the problems of instinct, brain localization, and mental measurement; Ellis. Students are advised to consult with the instructor before registering in either part of the course. *T, 4 to 6*.

PUBLIC ADDRESS

A1a-A1b. English: An Introductory Course.

MR. SC

(In cooperation with the Department of English)

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the important literary types; instruction and practice in writing speech. 4 units. Prerequisite for all other departmental courses. Men; *WF, I*; section meetings at *II*; Women: *TTh, II*; section meeting at *I*.

B32a-B32b. Public Address.

MR. SC

Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment to specific audiences. 2 units. *MW, III*.

B33a-B33b. Principles of Interpretative Reading.

MR. SC

Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of various literary types. 2 units. *MW, V*.

B35a-B35b. Argumentation and Debate.

MR. SC

Study of the principles of argumentation and practical application of these principles in class debates. Debate subject for the year analyzed and debated. 2 units. *TTh, IV*.

1a-C131b. Advanced Public Address. MR. SCOTT
 Training in the construction and delivery of formal addresses.
 Prerequisite: Public Address B32 or equivalent. 2 units.
MW, VII.

4a-C134b. Reading of Dramatic Literature. MR. SCOTT
 The intensive study of a limited number of standard plays, with
 emphasis on dramatic values in character and plot. Interpre-
 tive reading of these plays in class. Recital programs before
 the class. Prerequisite: Public Address B33 or equivalent.
 2 units. *TTh, VI.*

RELIGION

Orientation in Religion. MR. BROOKS
 Study of the influence of modern thought in the interpretation
 of religion and of the contribution of religion to civilization.
 2 units. Each semester. *TTh, VI.*

B3b. The Contribution of the Hebrews to Religion. MR. BROOKS
 In the first semester, the development of religious ideas and
 practices among the Hebrews from the beginning of their history
 to the time of the Eighth Century Prophets. In the second
 semester, the contributions of the Great Prophets of Israel and
 Judaism to ethics and religion. 2 units. *MW, VII.*

Introduction to New Testament. MR. HAND
 Careful study of such questions as date, authenticity, author-
 ship, composition, integrity, purpose and contents of the docu-
 ments which comprise the New Testament. First semester.
 2 units. *TTh, XII. (Omitted in 1933-1934).*

The Teachings of Jesus. MR. HAND
 Special emphasis is laid on Jesus' conception of the Kingdom
 of Heaven, his revelation of God and his doctrine concerning
 his own person and his claims on the fealty of men. Second
 semester. 2 units. *TTh, XII. (Omitted in 1933-1934).*

The Evolution of the English Version. MR. HAND
 Study of the various texts and versions by which the Bible
 has come to be a literary possession of the English-speaking
 world. First semester. 2 units. *TTh, XII.*

The First Interpreters of Jesus. MR. HAND
 Study of the teachings of Paul and the general epistles as
 they have modified and interpreted Christianity. Second sem-
 ester. 2 units. *TTh, XII.*

C109a, C109b. The Religious World.

MR. BR

This course surveys the origin and growth of religious experience, the characteristics of a fully developed religion, the of modern religious ideas, and the place of religion in reconstruction. *III.*

C125a, C125b. History of Religions.

A consideration of the nature of religion as exemplified in essential facts of early religions, followed by a somewhat detailed study of existing religious systems, Christian and non-Christian, their great personalities, their chief teachings and influence. *(Omitted in 1933-1934).*

D201a, D201b. Problems of Religion.

MR. BR

Questions arising from the interrelations of religion with society and ethics. *V.*

SOCIOLOGY

B21a-B21b. Elements of Sociology.

MR.

An introduction to the study of society. Designed to give student an orientation in the social sciences and to develop critical, comparative, and constructive attitude toward contemporary social problems. Application of sociological principles to modern social problems, such as race prejudice and movement of population, urbanization and neo-Malthusianism, marriage and divorce, poverty and crime, child welfare, leisure activities. *IV and VI.*

C108. Labor Problems.

MR.

A survey of labor problems and causes of industrial unrest, collective bargaining and trade unionism, child labor, scientific management, labor legislation, methods of promoting industrial peace, problems of reconstruction. Second semester. *V.*

C125. Poverty and the Community.

(Omitted in 1933-1934).

C127. Criminology.

MR.

The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new scientific approach to the treatment of delinquents in the courts and in penal institutions. Prevention of delinquencies through control of the causes. First semester.

C128. Social Aspects of Race Relations.

(Omitted in 1933-1934).

D131. Theories of Social Reform.

(Omitted in 1933-1934).

D132. The Family.

(Omitted in 1933-1934).

51. Advanced Studies in Sociology.

MR. KIRK

Research in social problems and agencies. Various techniques which have been developed in sociological research will be used in making individual or group surveys for the purpose of demonstrating the relative merit, the special contribution and the definite limitations of the several tools of research. First semester. *A*.

52. Contemporary Sociological Thought.

MR. KIRK

An analysis of the facts and forces involved in the organization and modification of society with special emphasis upon isolation, social distance, conflict and accommodation.

A survey of the leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Second semester. *A*.

SPANISH

1a-A1b. Elementary.

MR. CROWELL

Essentials of grammar and pronunciation; readings from easy modern texts; writing from dictation; practice in speaking. *VII*.

1a-B3b. Intermediate. Grammar Review and Modern

Readings.

MR. CROWELL and MISS HUSSON

A review of grammar with the translation of moderately difficult English into Spanish; conversation. Extensive reading of modern Spanish texts chosen to represent as many literary forms as possible; a part of this reading is done as outside assignments; Spanish history, geography, culture, etc., are stressed in class discussions as far as time allows. Prerequisite: Spanish A1 or equivalent. Two sections. *V, XI*.

03. The Theater of the Nineteenth Century.

MISS HUSSON

Study of the works of such dramatists as Moratín, Martínez de la Rosa, Duque de Rivas, Gutiérrez, Hartzenbusch, López de Ayala, Bretón de los Herreros, Tamayo y Baus, Echegaray, and others. First semester. *VI*.

04. The Novel of the Nineteenth Century.

MISS HUSSON

Study of certain of the works of Fernán Caballero, Pedro de Alarcón, Valera, Pereda, Galdós, Pardo-Bazán, Valdés, and Blasco Ibañez. Second semester. *VI*.

1a-C111b. Spanish Composition and Conversation.

MISS HUSSON

Intensive drill in written and oral expression; free composition; dictation; conversation, on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation. This course is conducted, for the most part, in Spanish. *IV*.

D113. The Novel of the "Siglo de Oro."

MR. CROW

Introductory lectures and assigned readings on prose fiction from the reign of Ferdinand and Isabella to 1600, followed by intensive study of Cervantes and the "Quijote." First semester.

D114. The Theater of the "Siglo de Oro."

MR. CROW

Introductory lectures and assigned readings on the development of the early theater in Spain, followed by a detailed study of certain of the plays of Lope de Vega, Tirso de Molina, Ruiz de Alarcón, Calderón, and some of the lesser dramatists. Second semester. I.

SUMMER SESSION

Although the main work of the Summer Session formerly conducted by Pomona College has been transferred to Claremont Colleges, Pomona College still maintains summer work at La Brea Beach and Bluff Lake.

The Department of Zoology conducts work at the La Brea Beach Marine Laboratory, Professor W. A. Hilton, Director.

At the Pomona College summer camp in the San Bernardino Mountains, Professor Taylor gives theoretical and practical instruction in field surveying and Mr. Beggs gives instruction in applied geology.

SUMMARY OF STUDENTS

1932-1933

Compiled March 1, 1933

Seniors	-	-	-	-	-	-	-	-	-
Juniors	-	-	-	-	-	-	-	-	-
Sophomores	-	-	-	-	-	-	-	-	-
Freshmen	-	-	-	-	-	-	-	-	-
Specials	-	-	-	-	-	-	-	-	-

Total Enrolment Regular Session - - -

In addition to the above, 10 Claremont Colleges students and 94 Scripps College students have taken some work in Pomona College during 1932-1933.

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KEY

Permanent



Temporary



Proposed



Fields



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PERMANENT

3. Men's Dormitory and Dining Hall:
Eli P. Clark and Frary Halls
5. Men's Dormitory
6. Tennis Courts
7. Alumni Athletic Fields
8. Training Quarters
9. Swimming Pool

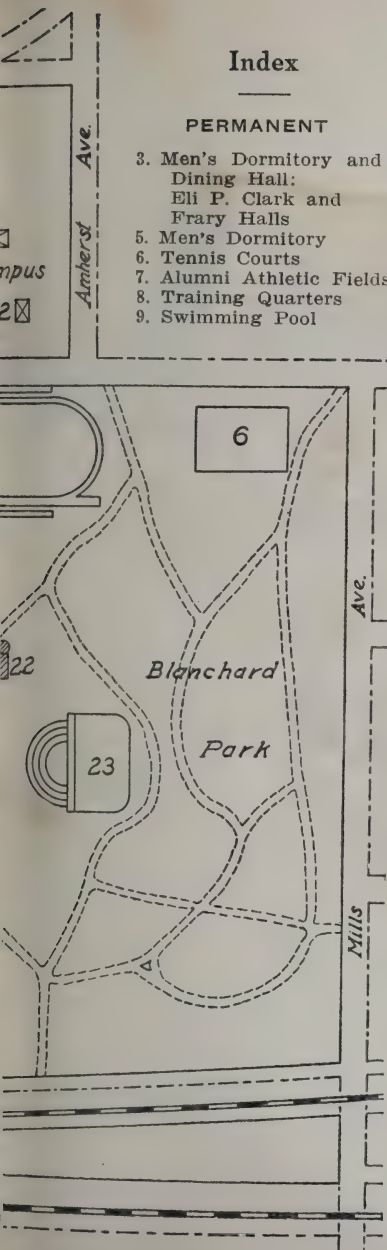
10. Smiley Hall:
Men's Dormitory
11. Holmes Hall:
Assembly Hall
13. Pearsons Hall
16. Crookshank Hall
17. Mason Hall
18. Library
19. Bridges Auditorium
22. Brackett Observatory
23. Open-Air Theater
24. Hockey Field
25. Tennis Court
26. Sumner Hall:
Administrative
Offices
27. Bridges Hall
28. Rembrandt Hall
29. President's House
30. Claremont Inn
32. Harwood Court:
Women's Dormitory
37. Women's Dining Hall
40. Heating Plant

TEMPORARY

1. Garages
2. College Shops
15. Harwood Hall
20. Little Gymnasium
21. Big Gymnasium
31. Wilby House:
Women's Dormitory
33. Women's Dormitory
34. Women's Building
36. Garages
38. Haddon Hall:
Women's Dormitory

PROPOSED

4. Men's Dormitory
12. Botany Building
14. Physics Building
35. Women's Dormitory
39. Women's Gymnasium







4
35

Pomona College Bulletin



Annual Catalog
1934-1935

Claremont • California

CORRESPONDENCE

Correspondence should be addressed as follows, the postoffice address being in every case Pomona College, Claremont, California:

Requests for catalogs, bulletins and general information, also inquiries regarding Public Events and Lectures	-	-	
-	-	-	SECRETARY OF THE FACULTY
Admission of Students	-	-	DIRECTOR OF ADMISSIONS
Business Affairs	-	-	-
-	-	-	CONTROLLER
Student Affairs	-	-	DEAN OF THE COLLEGE AND DEAN OF WOMEN
Alumni Affairs			SECRETARY OF THE ALUMNI ASSOCIATION

POMONA COLLEGE BULLETIN

PUBLISHED BI-MONTHLY BY POMONA COLLEGE

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XXXI

MARCH, 1934

No. 2

THE LIBRARY OF THE
OCT 24 1934
UNIVERSITY OF CALIFORNIA

HOSPITALITY

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is owned and operated by the institution. Parents and friends are invited to use the facilities of the Inn for long or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under both the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses in part the friendliness of the colleges and the community.

Forty-seventh Year

omona College Bulletin

ANNUAL CATALOG

REGISTER OF OFFICERS AND
TEACHERS FOR THE YEAR
1934 - 1935, REQUIREMENTS
FOR ADMISSION, DESCRIPTION
OF COURSES AND GENERAL
INFORMATION

March, 1934

CLAREMONT · CALIFORNIA

Published by the College

1934

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COLLEGE CALENDAR

1934

ember	17, <i>Monday</i>	Registration Day for Freshmen and Specials
ember	18, <i>Tuesday</i>	Registration Day for Freshmen
ember	19, <i>Wednesday</i>	Registration day for Seniors, Juniors and Sophomores
ember	20, <i>Thursday</i>	Registration Day for Seniors, Juniors and Sophomores
ember	21, <i>Friday</i>	Opening Convocation, 8:30 a. m.
ember	21, <i>Friday</i>	First Semester Classes begin, 10:00 a. m.
ber	11, <i>Thursday</i>	Founders Day, Flame Ceremony, 11:00 a. m.
ember	28, <i>Wednesday</i>	Thanksgiving Recess begins, 6:00 p. m.
ember	3, <i>Monday</i>	Thanksgiving Recess ends, 8:00 a. m.
ember	19, <i>Wednesday</i>	Christmas Music, 7:00 p. m.
ember	20, <i>Thursday</i>	Christmas Recess begins, 6:00 p. m.

1935

ary	3, <i>Thursday</i>	Christmas Recess ends, 8:00 a. m.
ary	23, <i>Wednesday</i>	Examinations Begin
uary	2, <i>Saturday</i>	First Semester Ends
uary	4, <i>Monday</i>	Registration Day for Underclassmen and Specials
uary	5, <i>Tuesday</i>	Registration Day for Upperclassmen
uary	6, <i>Wednesday</i>	Second Semester Classes begin, 8:00 a. m.
uary	7, <i>Thursday</i>	Opening Convocation of Second Semester, 11:00 a. m.
uary	16, <i>Saturday</i>	Matriculation and Parents' Day Convocation, 11:00 a. m.
l	5, <i>Friday</i>	Spring Recess begins, 6:00 p. m.
l	15, <i>Monday</i>	Spring Recess ends, 8:00 a. m.
	31, <i>Friday</i>	Memorial Convocation
	4, <i>Tuesday</i>	Examinations begin
	17, <i>Monday</i>	Commencement

SUMMER VACATION

ember	16, <i>Monday</i>	} Registration Days
ember	17, <i>Tuesday</i>	
ember	18, <i>Wednesday</i>	
ember	20, <i>Friday</i>	Convocation, 8:30 a. m.

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DIRECTORY OF OFFICERS

CHARLES K. EDMUNDS, President.	209 Sumner
GERTRUDE PALMER CLEVERDON, Assistant to the President.	209 Sumner
GILBERT N. BRINK, Assistant to the President.	203 Sumner
WILLIAM E. NICHOLL, Dean of the College.	101 Sumner
JESSIE E. GIBSON, Dean of Women.	112 Sumner
WILMA J. BRUCE, Assistant to the Dean of Women.	112 Sumner
ERNEST E. JONES, Treasurer.	Harper
GEORGE S. SUMNER, Controller.	Harper
GEORGE S. BURGESS, Secretary of the Faculty.	200 Sumner
HOWARD HUNT PATTEE, Director of Admissions.	104 Sumner
CHARLES T. FITTS, Registrar.	106 Sumner
KENNETH DUNCAN, Director of the Library.	Li
MARION J. EWING, Acting Librarian.	Li
EASTON H. LUM, College Physician.	Dispe
EDNA PRESCOTT DAVIS, Director of Dormitories.	Frary
EARL J. MERRITT, Social Director, Men's Campus.	Eli P. Clark
VIRGINIA E. KERSEY, Social Director, Women's Campus.	Harwood
MARGARET MAPLE, Alumni Secretary.	202 Sumner
CLIFFORD N. HAND, Editor of Pomona College Magazine.	217 Sumner

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President
Vice-President
Vice-President
President of the College
Secretary and Treasurer
Controller

HONORARY TRUSTEES

President of Claremont Colleges, *Ex Officio*
 President of the Alumni Association, *Ex Officio*

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 FRANK H. HARWOOD
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 M. WILCOX
 JESSE E. JONES

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 San Dimas
 Berkeley
 Lamanda Park
 Claremont

Term of Office Expires June, 1935

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 CLARK EVERSOLE
 GEORGE W. MARSTON, LL.D.
 THOMAS P. JENNINGS

Long Beach
 Fullerton
 Santa Barbara
 La Canada
 San Diego
 Los Angeles

Term of Office Expires June, 1936

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 S. PATTON
 S. E. SHELTON

Los Angeles
 Santa Ana
 Los Angeles
 Los Angeles
 Los Angeles

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 ALPH J. WIG

Los Angeles
 Hollywood
 Pasadena
 Los Angeles
 Los Angeles
 Pasadena

Term of Office Expires June, 1938

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 THOMAS M. DOLE
 CHARLES K. EDMUNDS, PH.D.
 J. A. SCHWEITZER
 HENRY SIBLEY, D.D.
 FRANK W. WILLIAMSON

Los Angeles
 Pomona
 Claremont
 Los Angeles
 Pasadena
 Los Angeles

FACULTY¹

CHARLES KEYSER EDMUNDS

345 College A

President, 1928.

B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

EDWIN CLARENCE NORTON

145 W. Seventh

Dean of the Faculty and Professor of the Greek Language and Literature on the Edwin Clarence Norton Foundation, Emeritus, 1888.

B.A., Amherst College; M.A., Amherst College and Yale University; Ph.D., Carleton College; D.D., Pacific Theological Seminary. Graduate Student, Johns Hopkins, Columbia and Oxford Universities.

FRANK PARKHURST BRACKETT

270 E. Third

Professor of Astronomy on the Frank Parkhurst Brackett Foundation and Director of the Observatory, Emeritus, 1888.

B.A., Dartmouth College; M.A., Dartmouth College; Sc.D., Dartmouth College. Honorary Fellow, Clark University.

PHEBE ESTELLE SPALDING

261 W. Fifth

Professor of English Literature on the Phebe Estelle Spalding Foundation, Emeritus, 1889.

B.L., Carleton College; M.L., Carleton College; Ph.D., Boston University.

GEORGE GALE HITCHCOCK

721 College

Professor of Physics, Emeritus, 1892.

B.A., University of Nebraska. Graduate Student, Johns Hopkins and Cornell Universities.

GRACE ELLA BERRY²

353 W. Eleventh

Associate Professor of Mathematics, 1909.

Dean of Women, 1909-1927.

B.S., Mount Holyoke College; M.A., Mount Holyoke College.

MENDAL GARBUTT FRAMPTON

927 Harvard

Professor of the English Language, 1904.

B.A., Illinois College; M.A., Illinois College; M.A., Harvard University. Graduate Student, Harvard and Chicago Universities.

WILLIAM ATWOOD HILTON

1293 Dartmouth

Professor of Zoology on the Willard George Halstead Foundation, 1905.

B.S., Cornell University; Ph.D., Cornell University.

¹Arranged in order of appointment to present rank. The date in each denotes the beginning of original term of service.

²Absent on leave, 1934-35.

WARD CAPEN EWER 706 Indian Hill Blvd.

Professor of Psychology, 1916.

B.A., Brown University; M.A., Brown University; Ph.D., Harvard University.

PH HAINE LYMAN 357 W. Tenth St.

Professor of Applied Music, Head of Department of Music, 1917.

B.A., Grinnell College. Student in voice with Karleton Hackett, William Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes Lowper and other American masters and with Vittorino Moratti in Berlin.

O BEATH JONES 125 W. Eleventh St.

Professor of French Literature and Instructor in Italian, 1911.

B.A., Boston University; M.A., Boston University. Graduate Student, Universities of Chicago, Geneva and Barcelona.

LIAM EVAN NICHOLL 465 W. Sixth St.

Dean of the College and Professor of Education, 1919.

B.A., Bellevue College; M.A., Columbia University. Graduate Student, Edinburgh University.

ER ELMER ROBBINS 487 Harrison Ave.

Professor of Classical History and Language, 1915.

B.A., University of Michigan; M.A., University of Michigan; Ph.D., University of Michigan.

ERT CHARLES DENISON 232 W. Fifth St.

Professor of Philosophy on the Robert C. Denison Foundation, 1920.

B.A., Amherst College; B.D., Andover Theological Seminary; D.D., Amherst College.

MOND CUMMINGS BROOKS 489 W. Sixth St.

Professor of Religion on the Nancy M. Lyon Foundation, 1921.

B.A., Tabor College; B.D., Yale Divinity School; D.D., Tabor College and Whitman College. Graduate Student, Oberlin College.

EE MCCULLEY 821 Dartmouth Ave.

Professor of English Literature, 1921.

B.A., Hiram College; M.A., University of Chicago; Ph.D., Harvard University.

LIAM KIRK 705 Indian Hill Blvd.

Professor of Social Economics on the Henry Snyder Foundation, 1922.

B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

LIAM POLK RUSSELL 506 E. Sixth St.

Professor of Mathematics on the Joseph W. Fiske Foundation, Emeritus, 1904.

B.A., Cumberland University; M.A., Cumberland University. Graduate Student, Columbia, Harvard and Yale Universities.

- GEORGE SAMUEL BURGESS 1175 College A
Professor of Law and Secretary of the Faculty, 1918.
 B.A., University of Michigan; J.D., University of Michigan.
- EUGENE WHITE NIXON 1034 Harvard
Professor of Physical Education for Men, 1916.
 B.A., Monmouth College; M.A., Columbia University. Graduate Student, Illinois and California Universities.
- FRANK WESLEY PITMAN 116 E. Twelfth
Professor of History on the Warren Finney Day Memorial Foundation, 1924.
 Ph.B., Yale University; M.A., Yale University; Ph.D., Yale University.
- ROLAND R. TILESTON 1129 Dartmouth A
Professor of Physics on the Seeley W. Mudd Foundation, 1925.
 B.A., Dartmouth College; M.A., Dartmouth College; D.Sc., Col College.
- RUSSELL MCCULLOCH STORY 127 W. Eighth
Professor of Political Science, 1925.
 B.A., Monmouth College; M.A., Harvard University; Ph.D., Harvard University.
- CHARLES TABOR FITTS¹ 826 Harvard
Registrar and Assistant Professor of English, 1919.
 B.A., Amherst College; M.A., University of California. Graduate Student, Harvard University.
- PHILIP ALEXANDER MUNZ 1165 Indian Hill
Professor of Botany on the Henry Kirke White Bent Foundation, 1917.
 B.A., University of Denver; M.A., University of Denver; Ph.D., University. Graduate Student, University of Chicago.
- KENNETH DUNCAN 1100 Harvard
Professor of Economics on the Stedman-Sumner Foundation, 192
 B.A., Wabash College; M.A., University of Wisconsin; Ph.D., University of Michigan.
- ALFRED OSWALD WOODFORD² 443 W. Tenth
Professor of Geology, 1915.
 B.A., Pomona College; Ph.D., University of California.
- JESSIE EDITH GIBSON
Dean of Women on the Martha N. Hathaway Foundation, 1927.
 B.A., University of Idaho; M.A., University of Washington. Graduate Student, California and Columbia Universities.

¹Absent on leave, second semester, 1934.-35.

²Absent on leave, first semester, 1934-35.

RLES JUDSON ROBINSON¹ 809 Indian Hill Blvd.
Professor of Chemistry on the Carnegie Foundation, 1927.

B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins University.

ARD TAYLOR 1022 Harvard Ave.
Professor of Engineering Mathematics, 1920.

B.E., University of Minnesota; M.A., University of Southern California.
 Graduate Student, University of Oregon.

ARD MCCHESENEY SAIT 238 E. Seventh St.
Professor of Political Science, 1928.

B.A., Toronto University; M.A., Toronto University; Ph.D., Columbia University.

STER GEORGE JAEGER 833 Indian Hill Blvd.
Professor of Mathematics, 1931.

B.A., University of Missouri; Ph.D., University of Missouri.

ERT SIDNEY ELLIS 1120 Harvard Ave.
Professor of Psychology, 1931.

B.A., University of Arkansas; Ph.D., Clark University.

TER ALFRED ALLEN University Club, 8th and Amherst
Professor of Musical Theory and Appreciation, 1912.

B.A., Beloit College; B.Mus., Yale University. Associate, American Guild of Organists.

RETT SAMUEL OLIVE University Club, 8th and Amherst
Professor of Piano, 1923.

B.Mus., Simpson College. Graduate Student, Simpson College. Pupil of Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.

PH WADDELL CLOKEY Via Los Altos
Professor of Organ, 1926.

B.A., Miami University. Graduate, Cincinnati Conservatory of Music.

LIAM HOOD SIMPSON 188 W. Seventh St.
Professor of Military Science and Tactics, 1932.

Graduate, U. S. Military Academy; Graduate, Advanced Course, Infantry School; Distinguished Graduate, Command and General Staff School; Graduate, Army War College. Major, Infantry, U. S. Army.

WARD HUNT PATTEE
Director of Admissions, 1932.

B.A., Pomona College; M.A., Stanford University; Graduate Student, Columbia University.

—
 nt on leave, second semester, 1934.-35.

- ELLIOTT CURTIS LINCOLN 472 W. Tenth
Associate Professor of English Literature, 1924.
 B.A., Colby College; M.A., State College of Washington and Harvard University.
- BENJAMIN DAVID SCOTT 828 College A
Associate Professor of Public Address, 1923.
 B.A., University of Southern California; S.T.B., Boston University; Ph.D., Boston University. Graduate work, Boston, Brown and Harvard universities.
- ELIZABETH KELLEY¹ Maryland A
Associate Professor of Physical Education for Women, 1928.
 B.A., University of Wisconsin; M.A., New York University.
- WALTER TICKNOR WHITNEY 445 W. Tenth
Associate Professor of Astronomy, and Director of the Frank P. Brackett Observatory, 1929.
 B.S., M.S., Pomona College; Ph.D., University of Chicago.
- JAMES WHITE CROWELL 1278 Yale
Associate Professor of Spanish, 1929.
 B.S., Haverford College; M.A., Haverford College; Ph.D., Cornell University.
- WILLIAM HENRY COOKE² 226 W. Eighth
Associate Professor of History, 1927.
 B.A., Pomona College; M.A., Pomona College; Ph.D., Stanford University.
- ROBERT TRESILIAN BELCHER 452 W. Sixth
Assistant Professor of Mathematics and Engineering, Emeritus, 1907.
 B.A., Queen's University. Graduate Student, Queen's College and University of California.
- CLIFFORD NOTT HAND 1045 Yale
Assistant Professor of Religion and Editor of College Magazine, 1924.
 B.L., Pomona College; B.D., Pacific School of Religion; M.A., University of Southern California. Graduate Student, University of California.
- RALPH RAYMOND UNIACKE 160 W. Eleventh
Assistant Professor of Violin, 1923.
 Pupil of Franz Milcke.
- FRANCIS GARRITT GILCHRIST 1040 College
Assistant Professor of Zoology, 1924.
 B.A., University of California; Ph.D., University of California.
- COLVIN HEATH 462 Baughman
Assistant Professor of Physical Education for Men, 1922.
 B.A., Pomona College. Graduate Student, Pomona College.

¹Absent on leave, 1934-35.

²Absent on leave, second semester, 1934-35.

- BERT LOBINGIER STREHLE** 1019 Dartmouth Ave.
Assistant Professor of Physical Education for Men, 1923.
 B.A., Pomona College. M.A., Claremont Colleges. Graduate Student, University of Southern California, University of California, Stanford University.
- JACIS RAYMOND IREDELL** 1060 College Ave.
Assistant Professor of Philosophy, 1925.
 B.A. Pomona College; M.A., Harvard University.
- FRIEDA BISSIRI** 1035 Harvard Ave.
Assistant Professor of French, 1920.
 B.A., Kreuzlingen College, Switzerland.
- MAS MONTAGUE BEGGS** 424 W. Tenth St.
Assistant Professor of Art, 1926.
 B.F.A., Yale University. Graduate, General Art Course at Pratt Institute.
- GARET HUSSON** Maryland Ave.
Assistant Professor of Spanish, 1925.
 B.A., University of Kansas; M.A., Columbia University; Graduate Study, Centro de Estudios Históricos, Madrid.
- OLD DAVIS¹** 157 E. Tenth St.
Assistant Professor of English, 1927.
 B.A., Stanford University; B.A. and B.Litt., Oxford University.
- IE ELIZABETH WAGNER** 428 W. Tenth St.
Assistant Professor of German, 1928.
 B.A., Smith College; M.A., Pennsylvania State College. Graduate Student, Columbia University, Middlebury College, Sorbonne, Université de Paris.
- LEY GLICK LEIGHTON** 121 W. 6th St.
Assistant Professor of Chemistry, 1931.
 B.A., Pomona College; M.A., Harvard University; Ph.D., Harvard University.
- BERT EDWARD GRAY** 1035 Harvard Ave.
Assistant Professor of Music, 1931.
 B.Mus., University School of Music, Lincoln, Nebraska; Pupil in voice of Ralph Engstrom, Evan Williams, and others; in cello of George Pierce, Bruno Steindel, and others.
- AND SPENCER CHAMNESS** 1269 Harvard Ave.
Assistant Professor of Military Science and Tactics, 1931.
 Graduate, Infantry School, Basic Course. Captain, U. S. Army.
- ON JEANETTE EWING** 487 W. Sixth St.
Acting Librarian, 1912.
 B.A., Olivet College; B.S., Simmons College; M.A., Boston University.
- t on leave, first semester, 1934-35.

CURTIS HAUPT

142 W. Ninth

Assistant Professor of Physics, 1930.
B.A., Colorado College; M.A., University of California. Ph.D., University of California.

LEON HOWARD

217 W. 11th

Assistant Professor of English, 1930.
B.A., Birmingham-Southern College; M.A., University of Chicago; Ph.D., Johns Hopkins University.

ERNEST ALBERT STRATHMANN

University of
8th and Am

Assistant Professor of English, 1932.
B.A., M.A., Ph.D., Johns Hopkins University.

NORMAN THEODORE NESS

Assistant Professor of Economics, 1928.
B.A., Carleton College; M.A., University of California; Graduate Student, Harvard University.

CARL BAUMANN

1130 Harvard

Assistant Professor of German, 1931.
Ph.D., University of Basel.

GORDON SUTHERLAND

235 W. 9th

Assistant Professor of Piano, 1931.
B.Mus. and M.Mus., American Conservatory of Music.

EARL JAY MERRITT

Eli P. Clark

Instructor in Physical Education, and Freshman Class Adviser, 1931.
B.A., Pomona College.

MARY C. LOVE

466 W. Sixth

Head of Library Loan Department, 1929.
B.A., M.A., Stanford University.

VIRGINIA FAIRFAX PRINCEHOUSE

Instructor in Dramatics, 1930.
B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.

ADA COOPER CAWSEY

130 W. Tenth

Instructor in Physical Education for Women, 1930.
B.S., University of Wisconsin.

LOUISE OTIS

424 W. 11th

Instructor in Chemistry, 1931.
B.A., Northwestern University; Ph.D., Northwestern University.

LUCILLE STEVENSON

626 Yale

Instructor in Voice, 1931.
Student of Charles W. Clark, Alice Prince Miller and Rita Bastian.

PHINE RENSHAW

Instructor in Physical Education for Women, 1933.
 S., University of Wisconsin; M.A., Wellesley College.

ADELINE NELSON

270 W. Sixth St.

Instructor in History, 1931.
 A., University of Arizona; M.A., Claremont Colleges.

A MARGARET WALKER

Instructor in Physical Education, 1932.
 A., Pomona College.

WHITT FAIRMAN HARRISS¹

Instructor in Geology, 1933.
 A., Pomona College; Graduate Student, University of California.

DEPARTMENTAL LECTURERS

EY AUGUSTUS DOUGLASS

275 W. Tenth St.

Lecturer in Education, 1926.
Professor of Education, Claremont Colleges.
 A., Kansas State Teachers College; M.A., Ph.D., Clark University.

CE JEREMIAH VOORHIS

San Dimas

Lecturer in History, 1929.
 A., Yale University; M.A., Claremont Colleges.

JOSEPH COLEMAN

870 N. Towne Ave., Pomona

Lecturer in Public School Music, 1927.
 Mus., Chicago University. Pupil of Percy Rector Stephens and DeWitt
 Lash.

L JURECKA

163 W. 11th St.

Lecturer in Sculpture, 1932.
 Graduate, Imperial and Royal College of Sculpture, Horice, Austria, now
 Czechoslovakia.

ASSISTANTS

EMILY CLAYTON

308 Alexander Ave.

Assistant in Biology, 1931.
 A., San Diego State College; M.A., Claremont Colleges.

RT MARTIN WILLIAMS

Assistant in Physics, 1934.

TS HILLYER

Assistant in Physics, 1934.

EL BENNETT

Assistant in Physical Education, 1934.
 A., Pomona College.

semester, 1934-35.

FACULTY COMMITTEES

1934-1935

- ACADEMIC PROCEDURE—Ewer, Gibson, Burgess, Munz, Nicholl, Tileston.
- ADMINISTRATION—Robinson, Robbins, Tileston, Ewer, Duncan.
- ADMISSION—Pattee, Fitts, Nicholl, Gibson, Ellis.
- ATHLETIC COUNCIL—Nixon, Jaeger (1st semester), Woodford (2nd semester), Lincoln, Nicholl, and three student representatives.
- ATHLETIC CONFERENCE—Nicholl, Jaeger (1st semester), Woodford (2nd semester).
- CLASSIFICATION—Fitts, Nicholl, Taylor, Ellis, Pattee.
- COLLEGE LIFE—Nicholl, Gibson, Duncan, Jaeger, Merritt.
President and Vice-President Associated Students, consistently members on call.
- CONVOCATION—Nicholl, Burgess, Lyman, Scott.
- COURSES OF STUDY—Burgess, Munz, Fitts, Tileston, Gibson, Merritt, Crowell.
- ENGLISH—Strathmann, Leighton, Husson.
- HEALTH—Nixon, Cawsey, Nicholl, Gibson.
- HONORS—Pitman, Hilton, Nixon, Crowell, Cooke, Ellis, Leighton, Allen, Lincoln.
- LECTURES, PUBLIC EVENTS AND COMMENCEMENT—Burgess, Nicholl, Lyman, W. J. Howard.
- LIBRARY—Duncan, Ewing, Burgess, McCulley, Haupt, Baum.
- PERSONNEL—Gibson, Nicholl, Fitts, Pattee, Merritt, Husson, Tileston.
- RELIGIOUS INTERESTS INCLUDING CHAPEL—Brooks, Nicholl, Leighton, Jaeger.
- ROOMS—Burgess, Taylor, Hilton.
- SCHOLARSHIPS—Story, Gibson, Nicholl, Tileston, Allen, Iredell.
- STUDENT AID—Nicholl, Pattee, Gibson, Cleverdon.

GENERAL INFORMATION

EARLY DAYS

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt the founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the Board of Trustees by the General Association of Congregational Churches of Southern California. The present President of the Board of Trustees, Mr. George W. Marston of San Diego, was one of these original trustees.

The College was incorporated October 14, 1887. The work of construction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel in Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the college. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrolment has been held at approximately 750 divided equally between men and women and among the four classes.

A NEW DEPARTURE

The imperative demand for expansion led to the adoption of the inspiring leadership of President James A. Blaisdell, of the group plan of affiliated colleges, in which the obvious advantages of the small college are retained while still making possible the gathering together of the equipment that is justified only in a university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps, for the generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

These three institutions, Pomona, Scripps and Claremont, independent but cooperate in the establishment of certain mutual facilities. In approved cases, there is also an exchange of classroom privileges between the colleges. Certain functions such as the summer school, graduate and research work are carried on in cooperation. The buildings and facilities under Claremont Colleges and the laboratories under Pomona are for the use of Claremont Colleges, with its own trustees known as "The Board of Fellows" some of whom are also trustees of Pomona or Scripps, constitutes a central group, focusing a mutual effort, to return to each member of that group a stimulating and inspiring influence. Through the bequest of the late Seeley Mudd, first chairman of its Board of Fellows, and erstwhile trustee of Pomona College, Claremont Colleges received a gift of one million dollars for the establishment of its work.

CLAREMONT COLLEGES

Thus far the general services undertaken by Claremont Colleges in behalf of the group include the administration of a health service, the development of a central heating plant, the erection and administration of an auditorium seating 2,500, the erection of a building to house the central library and common business offices of the group. The inauguration of special library collections and the subsidy of research projects by members of the faculties are also the forerunners of larger developments under the auspices of Claremont Colleges.

POMONA'S IDEAL

The real heart of the Claremont plan lies not in its provision for graduate study but rather in the enhancement of school life among undergraduates, and Pomona represents the effort to maintain in an exceptionally favorable environment a small independent residence college where the inestimable advantages of intimacy are secured, but where the advantages of ample facilities and intense competition are also secured by its association with these other colleges situated in close proximity to it, and by the selective process assures, as nearly as possible, a comparable group of students who will really profit by college experience.

POMONA'S PROGRAM

From the very beginning Pomona College has maintained a reputation for interest in thorough scholarship rather than in numbers. Membership in the institution itself is regarded as scholastic honor. Pomona holds that scholarship should not be high but also broad and inclusive. It is not a professional school. It insists that the best preparation for life includes not only the ample, generous and complete training of the college type, such as is here given, but also at a later period a thorough definite professional specialization. The College has been particularly successful in permeating its body of students with high ambitions. A very large percentage of its graduates have received subsequent professional training, many winning scholastic honors in other institutions.

The courses offered in Pomona College cover the whole range of the humanities and the sciences, while the fine arts, especially music, are duly emphasized. Various combinations of fundamental courses are presented as adequately preparing for later professional studies in engineering, medicine, law, or education.

HONORS WORK

Since September, 1924, Pomona has been developing the so-called honors type of instruction, the purpose of which is to free students of more than average ability from some of the routine requirements such as compulsory attendance in classes, frequent examinations and conformity in the study of textbook assignments. Such students are encouraged to limit the scope of their work and to concentrate, in their junior and senior years, in their chosen field of study, preferably in programs composed of one major subject and one or two minors, so that the student may achieve a certain mastery and a sense of unity of knowledge in a fairly large amount of learning. The student is offered the opportunity of frequent private conferences with his major adviser, who helps him in his courses and his reading, criticizes his reports, and helps in achieving that integration of learning which constitutes a liberal education.

In a word, Pomona College, in the midst of a very rapidly changing region of Southern California, is endeavoring to maintain the values of a broad cultural preparation for life.

SOCIAL TRAINING AN ESSENTIAL PART OF EDUCATION

In seeking to achieve this purpose Pomona is making use of living conditions, dormitories, dining halls, social intercourse to an extent and in a way not yet adequately developed in American colleges generally, as a fundamentally important part of the undertaking.

Dining in the great hall for men or in the women's new hall induces social amenities not acquired otherwise. Exchange of ideas between the women's campus and the men's campus affords opportunities for social intercourse and entertainment at no expense. The fraternities have their special rooms within the dormitories in close association with the rooms assigned to members of the several groups.

Pomona's co-educational character greatly increases the size of its student body. Working together on the highest level of life, men and women are most likely to associate in mutual respect and dignity. The graduates of this college testify that these relations add to the genuine wholesomeness and roundness of the student's life. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

Since the determining purpose of the College is to help the student to develop for himself an adequate philosophy of life, it feels obligated to promote the consideration of those age-old spiritual aspirations and interpretations which constitute religion and to urge each student to correlate correctly these factors with the discoveries resulting from the application of careful scientific method in all other fields of human investigation. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of education, to seek an interpretation of his own guided by the critical study of those arrived at by others. It thus seeks to prepare the coming generation with a leadership of intelligence, capacity, directed will and noble character.

While originally Congregational in organization, the College long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, and nonsectarian.

BUILDINGS AND EQUIPMENT

In addition to the grounds and buildings administered by Claremont Colleges in behalf of both Pomona College and Scripps College, Pomona College itself occupies about one hundred and twenty acres, of which sixty are included in Blanchard Park, twenty in Alumni Athletic Field, and fifty in the campus proper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from the central heating plant operated by Claremont Colleges.

The Mary L. Sumner Hall, named in memory of the wife of Charles B. Sumner, LL.D., one of the Founders of Pomona College, has been removed from its original site and remodeled for administrative and faculty uses.

James Hall, a memorial of Cyrus W. Holmes, Jr., of Monson, Massachusetts, reconstructed in 1916 in conformity with more recent plans for buildings and campus, is devoted mainly to lecture and recitation rooms, departmental offices and the offices of the Associated Students.

The Business Office of Pomona College is maintained in Harper Hall, administered by Claremont Colleges.

The Library, the gift of Mr. Andrew Carnegie, is an imposing structure, well adapted to the purposes for which it was built.

The Albert K. Smiley Hall, the first dormitory for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some 105 students besides the House Master and one or more instructors; additional dormitories accommodating some 165 upperclassmen; Frary Hall, the Dining Hall for Men, the gift of Mr. George Marston and others, named in memory of Rev. Lucien H. Frary, a member of the Board of Trustees from 1892 to 1903. Besides the Great Hall which will seat 450, there are three smaller lecture rooms for the use of special groups as required.

Wood Court, a modern and pleasing dormitory which includes the Strong Hall, accommodates about one hundred and eighty students, who are also served by the Aurelia Squier Harwood Memorial Dining Hall. The College also maintains several houses, in which similar accommodations can be secured.

The Claremont Inn has both large and small dining-rooms and accommodations for sixty guests.

Rembrandt Hall, the first section of the Art Building, is devoted chiefly to the work of the Department of Art. The upper floor contains studio and work rooms; the lower floor a convenient auditorium of moderate size for exhibits and assemblies.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges, of San Diego offers excellent facilities for the study of music.

The Mabel Shaw Bridges Auditorium, under the auspices of Claremont Colleges, has a seating capacity of 2500 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, though uncompleted, has at present a seating capacity of over 4000.

The Gymnasium, comprising two structures, affords ample equipment for indoor physical training supplementing the various playing fields for men and for women.

The Memorial Training Quarters stands as a remembrance of the Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of those men, Sgt. Gerry, '17, supplemented by those of alumni, students and friends. Alongside the Training Quarters is a modern standard size swimming pool for men.

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, contains the laboratories and lecture rooms of the departments of physics and mathematics.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn Bixby, '01, is designed to be of service to the student in the study of the stars.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

The Marine Laboratory, located at Laguna Beach, has private rooms for special workers and two general laboratories as well as storerooms, work rooms and aquarium room.

the Pomona College summer camp at Bluff Lake in the San Bernardino Mountains consists of five cabins, located on the tract of 10 acres given to Pomona College by Mr. J. S. Edwards. The camp, at an elevation of 7,500 feet, is in a region of great and varied natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in their service.

THE LIBRARY

The Library, of 86,968 books and 67,858 pamphlets, has been carefully selected, and is a working library of exceptional value.

The College possesses also the following library collections administered by the main library: The Cook-Baker Biological Library, the Parrish Botany Library, the James A. Lyman Memorial Library of Chemistry, the Astronomical Library, the New England Collection, the Geology Library, the Mason Library of California and Western American History, the Viola Minor Westergaard Art Collection, and the Carnegie Art Collection.

The main Library, the New England and the Mason California Libraries and the Westergaard and Carnegie Art Collections are housed in the Carnegie Library Building; the Cook-Baker Library and the Parrish Library in Crookshank Hall; the Astronomical Library in the F. P. Brackett Observatory; the James A. Lyman Memorial Library and the Geology Library in Mason Hall of Chemistry.

The Library is a depository for the publications of the Carnegie Institution of Washington, and for the United States Government publications. It has a large and well selected list of the most valuable research and general periodicals, including many complete

The library of Claremont Colleges, comprising 13,680 volumes including the George Burton Adams Library of English History, the Paul Hensel Library of Philosophy, and the Nollen Library (German Literature) is housed in Harper Hall and is available to students and instructors.

The library of Scripps College, at present about 15,938 volumes, housed in the Ella Strong Denison Library on the Scripps campus, and its resources are also available to students and teachers in Pomona College.

LECTURE FOUNDATIONS

THE JOSEPH H. JOHNSON FOUNDATION, liberally endowed Miss Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intelligent participation in college life notable educators from other institutions. By this means such educators are annually in residence at Pomona College. The opportunity of intimate contact with distinguished instructors thus afforded to undergraduates is a unique privilege, often surpassing the privileges of the classroom of any institution from which these educators come.

THE HENRY D. PORTER FOUNDATION, named in honor of the late Rev. Henry D. Porter, for many years a missionary in China, secures to the institution annually, the extended stay of a prominent worker in the field of Christian Missions. The lecturer upon this foundation commonly shares in the regular classroom work related to the history, geography, politics or religion of the region in which he has been actively at work. This vivid representation of the missionary life is one of the most stimulating features in the spiritual program of the College.

THE CLARK FOUNDATION, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture course of lectures in the general field of religion.

MUSIC

In order to insure to the entire student body the opportunity of hearing and seeing the great artists of the day, whose public appearance is usually confined to the larger cities, the College operates with Scripps College and Claremont Colleges in the introduction each year of a group of the most distinguished musicians in the field of music. For the concerts thus afforded an admission ticket is furnished to every full time student without charge.

Under the auspices of the Department of Music, compulsory public recitals by individual students and members of the faculty and by groups are given on Monday evenings.

The College Choir and the Men's and Women's Glee Clubs afford opportunity both for the exercise and for the appreciation of vocal talent.

PUBLIC ASSEMBLIES

is the practice of the College to give opportunity for the consideration and expression of the common college interests.

On Thursday at 11 a. m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of these sessions are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the closing of each semester, College Convocation is held. Full attendance of both faculty and students is expected at these exercises.

On Tuesday at 11 a. m. a brief devotional Chapel Service is held, attendance at which is voluntary.

Vesper Service of special music is offered on Sunday from 4 to 5-thirty.

Students are urged to associate themselves for worship with the Mount Church or those in neighboring communities, in connection with which many forms of religious activity are maintained.

CAMPUS ORGANIZATIONS

THE ASSOCIATED STUDENTS. This association attempts to coordinate all student activities. Its officers are chosen by the student body from among their own number. All important questions are first considered by the Executive Council, a governing body composed of class presidents and chairmen of other organizations representing various activities of campus interest.

ASSOCIATED MEN STUDENTS	}	These organizations consider
ASSOCIATED WOMEN STUDENTS		

promote the special interests of the men and women respectively.

STUDENT-FACULTY COUNCIL. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular meetings.

ings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for further consideration and action.

CLASS ORGANIZATIONS. Each of the four college classes is organized for the purpose of promoting class social life.

DEPARTMENTAL ORGANIZATIONS. Astronomical Society; Circulo Espanol; Le Cercle Francais; Mathematics Club; German Club; Physical Education Club for Women; Science Club.

PHI BETA KAPPA. The Pomona Chapter of Phi Beta Kappa is the Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts, and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

HONOR SOCIETIES. Alpha Delta Mu,—Journalism Fraternity; Gamma Chapter, Alpha Kappa Delta,—Sociology Fraternity; Delta Sigma Rho,—Forensic Fraternity; Ghosts; Mortar Board; Valkyries.

LOCAL SOCIAL FRATERNITIES. Alpha Gamma Sigma; Kappa Delta; Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Phi Alpha; Sigma Tau.

MUSICAL ORGANIZATIONS. Composers Club; Men's Glee Club; Women's Glee Club; Honorary Music Club; Symphony Orchestra.

RELIGIOUS ASSOCIATIONS. Young Men's Christian Association; Young Women's Christian Association.

MISCELLANEOUS ORGANIZATIONS. Cosmopolitan Club; Forensic Union; Kallimachos,—Library Club; Masquers,—Mathematics; Orchesis,—Dancing.

PUBLICATIONS

The stated publications of the College are issued as numbers of the *Pomona College Bulletin*, which is published bi-monthly. These include:

The *Annual Catalog*.

The *Report of the President* and special topical numbers.

The *Register of Alumni*.

alumni and departmental publications are:

The Pomona College Magazine, devoted to the interests of the college and Alumni.

The Journal of Entomology and Zoology, published under the auspices of the Department of Zoology.

STUDENT PUBLICATIONS

The Student Life is published daily except Sunday and Monday for the student body and is devoted to current affairs.

The Metate is published each year by the Associated Students, and contains material appropriate to a college annual.

The Hand Book, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

PHYSICAL ATTENTION

The physical care of students is a matter of special concern to the College and the advantages of unusual attention and opportunity are offered. The climate of Southern California offers an out-of-door life the year round. Supervision is given to athletics all seasons. A regular physician is on the staff of Claremont College, under whose direction every student on entering has a physical examination. Regular work in physical education is continued throughout the four years, and courses in Physiology and Hygiene are given. The medical advice of the College physician is ordinarily available free of charge to all students, subject to certain conditions of hours and location of residence, the College meeting these bills; provided that all nursing, surgical dressings and medicines as well as medical service in chronic or prolonged illness are at the expense of the ill or injured. *The College, however, reserves the right to discontinue this individual medical service at any time without previous notice.*

ATHLETICS. The direction and financial management of athletics rest with the Director of Athletics, who has associated with him an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general management there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed for the alumni into athletic grounds admirably equipped and unused in the Southwest in beauty of setting. First-class tennis

courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, courses of the Indian Hill Golf Club are available, and athletic exercises and field sports are encouraged by the officers of institution.

A swimming pool, of the standard size for water polo, fully equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona enjoy the privileges of the pool at the former institution.

Students are required to maintain a satisfactory standard of excellence in all their studies in order to represent the College in any of its athletic teams or other organizations coming before the public.

LIVING CONDITIONS

All rooms in the College residence halls are rented for the college year. The charge for rent does not include the use of the halls during the Christmas and Spring vacations, when the halls are closed. The residence halls are opened the Saturday before the opening of the College year and closed the second day after commencement.

A deposit of \$10.00 is necessary to reserve a room and shall accompany the application for the room. This amount is returned as a breakage fee, from which deductions will be made for individual and communal damages to the building, the balance returned at the end of the year. This deposit will also be refunded in case the student does not become a resident in the College provided the room is surrendered before September 1. Rooms are assigned to new students in order of application.

The College reserves the right to dismiss from a dormitory without rebate any student who becomes a disturbing or undesirable occupant.

RESIDENCE FOR MEN

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that men not actually living at home will live in the college dormitories and board in Frary dining hall.

Dormitory and dining room privileges are provided only on the basis of an inclusive yearly charge for both board and room at a rate varying from \$400.00 to \$550.00 per year. This charge includes necessary furniture, rugs, bed linen and towels, the

of the same and the care of rooms. The only articles to be furnished by the student are blankets and bed spread for a single

Wiley Hall has both single and double rooms and suites of rooms accommodating two students.

In the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for two students. The other halls have both single rooms and suites.

RESIDENCE FOR WOMEN

It is expected that women students will room in the college residence halls and board at the dining room in Harwood Court. Women are required to reside in Harwood Court. Students coming from home or working for room or board may make special arrangements with the Dean of Women.

In Harwood Court, the residence hall for women, in which is located the dormitory known as Strong Hall, and the several College Houses which afford residence facilities, have both single and double rooms as well as suites. Each room is provided with necessary furnishings, including rugs, the only articles to be furnished by the student are linen and covers for a single bed.

Dormitory and dining room privileges are provided on the basis of an inclusive yearly charge for both board and room, the rate being from \$400 to \$500 per year in the College Houses and from \$430 to \$500 per year in Harwood Court.

EXPENSES

Inclusive of residence facilities, the full cost of maintaining a student at the College exceeds six hundred dollars a year per student. The amount from endowment and trust funds applicable to current expenses usually covers about one-third of the total cost, the fee as charged is designed to cover one-half, and the balance of one-sixth is left to be covered by voluntary contributions.

ESTIMATE OF GENERAL YEARLY EXPENSES

	Minimum	Average	Generous
1 Tuition	\$300	\$300	\$300
and Room	400	425	550
and Fees	30	50	100
al Expenses	90	125	250
Total	<u>\$820</u>	<u>\$900</u>	<u>\$1200</u>

EXPENSES

TUITION

Regular tuition, including all general privileges, Music Course Ticket, Library privileges, etc., per semester.....\$15.00
 Tuition for students, carrying less than ten units of work, for each such unit, per semester exclusive of above general privileges

A visitor's fee of \$10.00 per course is required from those visiting a course of study.

Laboratory fees range from \$2.00 to \$15.00. The exact fee for a given course is stated in connection with the description of that course under *Courses of Instruction*; in advanced courses only does it exceed \$10.00.

BREAKAGE DEPOSITS

Bacteriology and Plant Physiology, \$5.00 each.
 Chemistry, \$10.00 for each course taken.

APPLIED MUSIC

For those paying regular tuition:

One-half hour private lesson per week, per semester.....\$4.00
 Each half-hour in excess of one per week, per semester.....

For those carrying less than twelve hours of college work, exclusive of work in applied music:

One half-hour private lesson per week, per semester.....
 Each half-hour in excess of one, per semester.....
 Class lessons in applied music, per semester.....

PRACTICE FEES

	Per Semester
PIANO, one half-hour daily, \$3.50; one hour daily.....	\$6.00
GRAND PIANO, one hour daily.....	9.00
GREAT ORGAN, one hour weekly.....	7.50
TWO-MANUAL PRACTICE ORGAN, one hour weekly.....	3.00
PEDAL ORGAN, one hour daily.....	9.00
VIOLIN, CELLO, FLUTE, Room without piano, one hour daily.....	1.50

SPECIAL FEES

Application fee, \$2.50.

Dues for Associated Students, per semester.....

This charge is made upon all regular students by action

iated Student Body. Recognizing the value of the activities
 orted by this fee, the College requires its payment and reserves
 ight to approve the budget for which it is spent.

aduation fee, \$10.00.

ery student expecting to graduate at the end of any given
 ter must so indicate on his registration card for that semes-
 nd must include the graduation fee with the payment of his
 fees at the time of such registration. Failure to indicate
 expectation or thus to pay the graduation fee will auto-
 ally exclude from graduation that semester.

BILLS

College bills are due each semester in advance and must be
 oy the student at the time of registration. Payment for
 and board on an installment plan may be arranged in con-
 ce with the Controller at an extra charge of one dollar for
 extra payment. No refunds are made to those leaving before
 d of the semester except that in the case of those leaving
 e the middle of the semester because of illness one-half of
 ition and laboratory fees are refunded and in the case of
 dropping out for good cause within a week of their regis-
 n all but \$25.00 is returned. No refund is made on a room
 nt unless the room is re-rented to someone not then room-
 a college residence hall.

udents are not given honorable dismissal nor graduated whose
 e not paid. Seniors must settle all recognized bills and Li-
 obligations by four p. m., of the fourth day preceding
 nement if they are to receive their diplomas with their

PRIZES

following prizes are offered for proficiency in the work of
 eral departments:

ART

EUGENE C. CRAMER PRIZES: A first prize of \$15.00 and a
 nd prize of \$10.00 awarded for excellence in drawing and
 n in work presented for the annual exhibition in May.
 n by Mrs. Eugene C. Cramer in memory of her husband,
 was an artist.

ASTRONOMY

MONCRIEFF ASTRONOMY PRIZE: A prize given to the stu-
 in the first year course in Astronomy, taken regularly in

PRIZES

class, whose interest in the study and proficiency in the observatory work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars is given by Miss Flossie C. Moncrieff, '11.

DEBATE

THE DOLE PRIZES: A prize debate upon some subject selected by the faculty is arranged for the close of the second semester. First and second prizes of fifteen and ten dollars, respectively, established by the late Mr. J. H. Dole, in memory of his brother, Mr. W. B. Dole, are endowed by Mr. J. Albert Dole and Mr. A. M. Dole.

DECLAMATION

THE KINNEY PRIZES: A prize declamation contest, open to members of the Freshman class, occurs near the middle of the year. First and second prizes of fifteen and ten dollars, respectively, are endowed by Mrs. H. N. Kinney.

ECONOMICS

THE VAILE PRIZES: Prizes for the best essay or oration on the general subject of Agriculture in Southern California open to the Junior and Senior classes, were endowed by the late Charles S. Vaile. At present first and second prizes of fifteen and ten dollars respectively are offered.

ENGLISH

THE JENNINGS PRIZES: Eight prizes awarded at the end of each semester to Freshmen taking English A1, to the two men and the two women showing the best mastery over written and oral expression and also two to the men and two to the women showing the most gain during each semester in these respects. The total amount of the prizes is \$600.00, the gift of Mr. J. Jennings of San Diego.

GENERAL

THE RENA GURLEY ARCHIBALD HIGH SCHOLARSHIP PRIZE: A prize of fifty dollars to be awarded to that member of the graduating class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Rev. Andrew W. Archibald, D.D.

LATIN

THE MUDGE LATIN PRIZES: Prizes for excellence in Latin. First and second prizes of ten and five dollars, respectively, are endowed by friends of the College.

MATHEMATICS

THE LLEWELLYN BIXBY MATHEMATICS PRIZE: A prize for excellence in mathematics.

PRIZES

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nce in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15. A prize of dollars is given by Mr. Llewellyn Bixby.

MUSIC

BARBARA SANFORD ALLEN PRIZE: An annual competitive prize of fifty dollars to be awarded to a Pomona College student in the department of music. This award is made possible by the generosity of the husband and parents of a graduate of the Class of 1915 of Pomona College.

PHYSIOLOGY

LORBEER PRIZES: Prizes for the best essay on the subject, "How to Keep Well"; open to all who take the course on "The Human Body." First and second prizes of fifteen and ten dollars, respectively, are offered by Dr. Thomas L. Lorbeer, '03.

RELIGION

HAGER PRIZES: Prizes for the best essays on a foreign literary subject, open to all students were endowed by the late Mr. and Mrs. C. R. Hager. At present first and second prizes of twenty and ten dollars respectively are offered.

DEPARTMENTAL SCHOLARSHIPS

ART

HANNAH TEMPEST SCHOLARSHIP FUND OF \$5,000. Income divided equally between a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

MILITARY

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrolment in the advanced course of the Reserve Officers' Training Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a six weeks' summer camp. In consideration of this agreement, students receive government cash allowances equivalent to scholarships of \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from the camp, are provided by the government. The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrolment is based upon excellence in military training and suitability for appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units of preparatory schools will be

given consideration in the selection of those to whom these scholarships will be awarded.

MUSIC

THE KATE CONDIT BRIMHALL MEMORIAL MUSIC SCHOLARSHIP FUND, \$2,000. Given by the late Mr. and Mrs. A. P. Condit

SPECIAL SCHOLARSHIPS

KAPPA DELTA HONOR SCHOLARSHIP ENDOWMENT OF \$1,973. Given by members of Kappa Delta Fraternity. The income from this endowment is supplemented by individual pledges to yield a scholarship of \$250, administered under special committee. Awarded to a man at the beginning of senior year.

THE FLORA SANBORN PITZER MEMORIAL SCHOLARSHIP. \$500 year from The Sanborn-Pitzer Foundation established by Russell K. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation

GENERAL SCHOLARSHIPS

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to make awards to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in college community.
- (3) Physical vigor as shown by interest in outdoor sports or in other ways.

The preferred applicant will excel in all three of the categories listed, but in the absence of such preferred combination the committee may select an applicant who shows distinction in the first two over an applicant who shows a lower degree of promise and excellence in all. In any case interested participation in activities which sustain physical well-being constitutes an essential qualification, though superior skills and excellence in such matters are not given undue weight.

Before making application to the Committee on Scholarships applicants who are not already students in Pomona College must file application for admission to the College with the Committee on Admissions (fee \$2.50). In the case of freshmen it is naturally expected that they will not have attended any other

iversity. Exceptions to this rule require special committee action. Each applicant for a scholarship shall be endorsed by the faculty of the school from which he comes, and will be required to pass competitive examinations. The examinations for Freshmen will be held on Saturday, December 8th. The examinations for College transfers will be held early in the spring. The Committee on Scholarships reserves the privilege, in case of doubt, to require further, any special evidence, by examination or interview, which it may deem necessary to determine the candidate's qualifications.

SCHOLARSHIPS FOR NEW STUDENTS

FRESHMEN

The following scholarships are available for candidates for admission to the Freshman Class in the academic year 1935-36, half the stipend being available for the first semester and half for the second:

Four Scholarships of Five Hundred Dollars each, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Dollars each, open to both men and women; two from the Thomas J. Dowling Fund and two from the Margaret Burton Harwood Memorial Fund.

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women: One of these is from the Henry G. Brainerd and Fannie Howard Brainerd Memorial Fund.

In the two following groups, the award becomes available to defray the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory:

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women.

Four Scholarships of One Hundred Fifty Dollars each, two for men and two for women, who are nominated for the same by the California Scholarship Federation.

Applications for above freshmen scholarships, 1935-36, should be made on regular scholarship application blanks and should be submitted to the Committee on Scholarships by November 15th.

Announcement of awards will be made on or before February 1st.

JUNIOR COLLEGE TRANSFERS

The following scholarships are available for candidates from Junior College men or women in the academic year 1935-36, half the stipend being available for the first semester and half for the second:

SCHOLARSHIPS

One scholarship of Three Hundred Dollars, available incoming transfers from junior college. On the Margaret Burton Harwood Memorial Fund.

Two scholarships of One Hundred Fifty Dollars each available to incoming transfers from junior college.

In the two following groups, the award becomes available pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory.

Two scholarships of One Hundred Fifty Dollars each available to incoming transfers from junior college, who recommended for the same by Alpha Gamma Sigma.

Five scholarships of One Hundred Fifty Dollars each available for incoming students of sophomore or junior standing from among the best qualified applicants for admission.

Applications for above advanced standing scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before March

Announcement of awards will be made on or before June

SCHOLARSHIPS FOR MATRICULATED STUDENTS

Twenty-one awards of One Hundred Fifty Dollars each available on a semester basis for matriculated students, men and women, in any class, during the academic year 1933-34. Of these fifteen are from the Olivia Phelps Stokes Scholarship Fund and three are from the Margaret Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the first semester and ten for the second semester either upon application to the Committee or upon selection by the Committee from the whole number of those eligible. These scholarships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships should reach the Committee on Scholarships before May 15th for the first semester of the following academic year and before January 15th for the second semester of the current academic year.

FELLOWSHIPS

The following award may be made for 1934-35 if qualified applicants appear. Applications should be in the hands of the Committee on Scholarships by February 1, 1934.

One WILLIAM LINCOLN HONNOLD FOUNDATION fellowship with a stipend varying from eight hundred to fifteen hundred

s, as determined by the committee of award, according to instances; open normally only to students who have done full years of work in Pomona College, who are rated in the half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to pursue their studies either in Claremont Colleges or elsewhere in America or abroad.

Should the student selected waive the emolument, the stipend be paid to the candidate next in rank, while the first student be designated Honorary Honnold Fellow for the year.

The appointment will be for one year, but satisfactory work and conduct may earn a renewal, so that a really successful candidate may enjoy the fellowship for two or possibly three years, and at the same time a new appointment may be made from the graduating class each successive year.

The prime purpose of the fellowship is to promote scholarship rather than merely to reward faithful classroom work. Preference will be given to candidates preparing for creative rather than professional work, and the selection will be based not on scholarship only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character. The choice of the institution for graduate work will be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of each year of tenure, each Honnold Fellow is to make a report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been residing, his plans for the immediate future, and recommendations for the further development or improvement of this fellowship plan.

OTHER AWARDS

The Committee on Scholarships also nominates students of Pomona College who wish to apply for awards by other institutions and foundations. Those who seek nomination to the Rhodes Scholarships should advise with the Committee on Scholarships; and those who wish to be considered for summer session fellowships at the National University of Mexico. The latter

are awarded by the Educational Council of Claremont College to competent applicants from the juniors, seniors, and alumni of Pomona College and Scripps College.

GRANTS IN AID

The income of certain funds is used towards paying the tuition fees of students who are in pecuniary need. Such aid is given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in their attendance upon college exercises, and who maintain, at the first semester of the Freshman year, at least "C" grade in their scholastic work.

Aid may be withdrawn at any time from students who prove not to have conformed to the conditions.

As a rule recipients of grants in aid will be asked to render service to the College in exchange.

If a student who has received a grant in aid transfers to another institution before graduation, the total sum granted him by Pomona College shall become a loan, repayable according to terms applicable to regular student loans.

The College aims to realize the ideal that no student who is of graduation should withdraw ahead of time for purely financial reasons. To that end the Administration welcomes the opportunity to confer with students who need assistance.

Grants to incoming students are available only after they have successfully completed one semester's work in the College. Applicants for admission who desire a grant should write to the Chairman of the Committee on Student Aid, transmitting two letters, one from parent or guardian and the other from principal or teacher, giving information concerning need, character and attainments.

All applications for aid should be made before May 1st for the first semester of the following academic year and before January 15th for the second semester of the current academic year. Address Committee on Student Aid, Sumner Hall.

STUDENT AID FUNDS

GENERAL

THE FRANCIS BANCROFT MEMORIAL FUND, \$1,500. Given by Mrs. James T. Ford of Los Angeles, California, in memory of her father.

THE BARROWS FUND OF \$2,500. Given by L. H. Barrows of Pasadena, California.

THE H. G. BILLINGS MEMORIAL FUND, \$1,000. Given by Mrs. A. Billings of Los Angeles, California, in memory of her husband.

THE FLORENCE G. BIXBY FUND, \$5,000. Given by Florence G. Bixby of California.

THE BRISTOL MEMORIAL FUND, \$400. A fund raised as a memorial to the Reverend Sherlock Bristol.

THE BESSIE A. BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of Bessie A. Brown.

THE HENRY HERBERT BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of her son.

THE CLASS OF 1918 FUND OF \$961.78. Given by the Class of 1918.

THE CHARLES C. CRAGIN MEMORIAL FUND, \$5,025. Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles Cragin.

THE AGNES K. CRAWFORD MEMORIAL FUND, \$1,000. Given by Mrs. R. Crawford and William Crawford, in memory of their daughter.

THE ALL CLUB OF POMONA STUDENT AID FUND, \$1,000. Help, preferably, a girl.

THE ELWOOD FUND OF \$2,600. Given by Mary E. Elwood of Pasadena, California.

THE FORD FUND OF \$2,500. Given by Rev. James T. Ford of Los Angeles, California.

THE FOWLER FUND OF \$1,000. Given by Mrs. Margaret Fowler of Pasadena, California.

THE ORREN A. GORTON FUND OF \$5,000. Established by the will of Orren A. Gorton of Sherburne, New York.

THE EMMA K. GUILD FUND OF \$44,329.88. Given by Emma K. Guild of Claremont, California.

THE MANETTE HAND MEMORIAL FUND OF \$1,500.

THE ALFRED JAMES HARWOOD MEMORIAL FUND, \$8,000. Given by Alfred P. Harwood of San Dimas, in memory of his son.

THE CHARLES E. HARWOOD FUND OF \$5,000. Given by Charles E. Harwood, LL.D., of Upland.

THE THOMAS F. HOWARD "MEMORIAL SCHOLARSHIP FUND," \$1,000. Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.

STUDENT AID FUNDS

THE MARY MARVIN JANES FUND OF \$296.93. Given by Mary Marvin Janes of Pasadena, California.

THE KUNS FUND OF \$2,000. Given by Henry L. Kuns of L. Verne.

THE LOOMIS FUND OF \$2,000. Given by Miss Jean Loomis, '9

THE HOWARD J. MILLS MEMORIAL FUND OF \$3,000. Given by Mrs. Howard J. Mills of Los Angeles, California, in memory of her husband.

THE ONTARIO CONGREGATIONAL CHURCH FUND, \$186.50. Given by the Ontario Congregational Church towards the endowment of a fund.

THE PAGE FUND OF \$5,000. Given by Mrs. Loraine H. Page Pomona, California. (Three thousand dollars of this may some time be used for other purposes.)

THE ARTHUR WARREN PHELPS MEMORIAL FUND, \$2,000. Given by Mrs. C. S. Phelps and Mr. C. A. Phelps, in memory of their son and brother.

THE LYDIA PHELPS MEMORIAL FUND, \$4,000. Given by Hiram E. Phelps of Ontario, California, in memory of his wife.

THE PILGRIM CHURCH OF POMONA FUND, \$1,667.44. Given by the Pilgrim Congregational Church of Pomona.

THE PILGRIM CHURCH WOMEN'S AUXILIARY FUND, \$500. Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.

THE JOHN D. POTTER MEMORIAL FUND, \$2,000. Given by Mrs. S. T. Potter of Westboro, Massachusetts, in memory of her husband.

THE SEARING FUND OF \$1,800. Given by Dr. Anna H. Searing of Escondido, California.

THE WALTER O. SHATTO MEMORIAL FUND, \$4,000. Given by Mrs. Clara R. Shatto in memory of her husband.

THE CLYDE H. SHIELDS MEMORIAL FUND, \$1,200. Given by R. P. Shields of San Diego, in memory of his oldest son, who was drowned in 1894, when about twenty-one years of age.

THE SWEET MEMORIAL FUND OF \$2,500. Given by Harlan Sweet in memory of his wife, C. Nell Sweet.

THE THATCHER FUND OF \$6,000. Given by Miss Susan Thatcher of San Diego.

THE WARDWELL FUND OF \$1,000. Given by Mrs. Maria T. Wardwell of Plymouth, Connecticut.

LOAN FUNDS

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: CLARA B. WATERMAN MEMORIAL FUND OF \$5,000. Given by Miss Rosa May Bennett of Los Angeles.

: WEST FUND OF \$2,000. Given by Henry S. West of Los Angeles.

SPECIAL

OMBIE ALLEN SCHOLARSHIP FUND" OF \$1,000, half of the amount available annually to a graduate of *Chaffey Union High School* and half to a graduate of *Chaffey Junior College* of Orange, California.

CE PAUL HARWOOD SCHOLARSHIP FUND" OF \$5,000. Open to graduates of *Chaffey Union High School* of Ontario.

MABEL S. BRIDGES MEMORIAL FUND, \$3,500. Given by Mr. and Mrs. A. S. Bridges of San Diego, California, in memory of their daughter. Available for *women*.

ELLA M. KING SCHOLARSHIP AND LOAN FUND FOR WOMEN," OF \$5,000.

These grants-in-aid, provided annually by REVEREND M. D. KNEE-
LAND, D.D., of Claremont, of \$200 each, are available for bona fide new candidates for professional Christian service, either in the pastorate or in foreign mission fields—\$150 for the first year and \$50 for the second.

FRANCIS M. PRICE FUND OF \$1,000. For *children of mis-
erries*.

MARTHA E. BERRY MEMORIAL FUND OF \$5,000. Given by Mrs. Elizabeth E. Berry. For *foreign* students.

LOAN FUNDS

The College also administers loan funds established by the bequest of Ellen H. Lyman and by George H. DeKay, Jr., in memory of his brother Frelin Campbell DeKay. By means of these funds, it is possible to co-operate in a moderate way, and sympathetically, with the pressing needs of students.

THE RAY LOAN FUND made possible by the gift of \$1,000 by Mr. E. F. Ray provides a means of meeting situations of temporary need.

LUCY B. JENCKS MEMORIAL STUDENT LOAN FUND OF \$160, established by the Claremont Chapter of the D. A. R., available to a senior girl to be designated by the Dean of Women.

For more substantial loans over a longer period, the College administers the following funds on an interest bearing basis:

CAROLINE PHELPS STOKES FUND, endowed in the sum of

\$25,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister.

THE ETHAN ALLEN CHASE AND AUGUSTA FIELD CHASE MEMORIAL FUND OF \$5,000, for men.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

SELF SUPPORT

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many thus helping themselves by various forms of labor such as janitorial work, waiting on tables, general house work, gardening and the like. The most desirable positions are in general secured by upperclassmen who have proven themselves good workers. Good students, and those coming to the College for the first time, should be content if any work which they can satisfactorily secure for them. Students in any case should come prepared to pay all bills for at least one semester. Their record during the first semester will be a large factor in deciding what opportunities of self-help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

ADMISSION

PREPARING FOR COLLEGE

The College welcomes tentative applications from prospective students a year or so in advance and is glad to offer suggestions regarding the best preparation for admission.

Any person interested in preparing for Pomona, or any other college, should call on the Principal, Vice-Principal or Counsellor who is responsible for directing the preparatory programs of students is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific programs. It is often possible for students to select work in their final high school years that will add greatly to their ability to do college work. The Director of Admissions is glad to cooperate with the preparatory schools in planning satisfactory programs for any individuals, whether or not they are Pomona College applicants.

Anyone interested may have his records evaluated at any time. By having this done early subsequent admission difficulties may be avoided.

For further information, write to Director of Admissions, Warner Hall, Pomona College, Claremont, California.

GENERAL REQUIREMENTS AND METHODS OF ADMISSION

As much as the College expends on its educational work twice as much as it receives from tuition fees, thus making an investment of three hundred dollars a year in every student admitted to the halls, the College naturally is justified in rendering this opportunity only to those who are properly qualified to profit thereby in their own development and in their subsequent service to the community.

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College assignments. Any student who falls below grade in scholarship, or, for any reason, in the judgment of the faculty or its committees, is felt not to be a desirable member of the student body, may be dismissed without specific charges.

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the active participation in the college atmosphere and life. It is important, therefore, that all absence through the college year be avoided. Some of the most important of the college years are lost by absences on Saturday and Sunday, on which are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

It is the purpose of Pomona College to do a distinctly high quality of work, thus preparing its graduates for special achievement in whatever later callings they may choose. While Pomona College emphasizes the value of a broad general training as preliminary to the highest achievement in any professional field, it offers such a variety of courses that many students readily find the desired combination which constitutes a definite and adequate preparation for later professional training in a special field such as medicine, law, engineering, scientific research, religious or social service, teaching or other fields. Candidates for admission are expected to present satisfactory evidence of their fitness for college, both in character and in scholarship.

Each application should be accompanied by a fee of two dollars and fifty cents.

A medical examination conducted by an authorized physician,

under the direction of the College, is required of all students.

An applicant for admission, immediately upon receipt of notification of acceptance, is required to make a deposit of twenty-five dollars on the tuition of the first semester.

ADMISSION TO FRESHMAN STANDING

Applicants are admitted to freshman standing in accordance with one of the following plans:

Plan I. Certificate of graduation from an approved secondary school showing either:

- A. Fifteen recommended units accumulated during 9th, 10th, 11th and 12th grades; or
- B. Twelve recommended units accumulated during 10th, 11th and 12th grades.

Plan II. Certificate of graduation from an approved secondary school showing either:

- A. Twelve recommended units accumulated during 9th, 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:

- 1. A personal letter from the proper official of the school from which the candidate graduated, or is now attending; and
- 2. A satisfactory achievement in specified scholastic aptitude tests; or

- B. Nine recommended units accumulated during 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:

- 1. A personal letter from the proper official of the school from which the candidate graduated, or is now attending; and
- 2. A satisfactory achievement in specified scholastic aptitude tests.

Note: Certificate of having successfully passed examinations as given by the College Entrance Examination Board will be accepted as the equivalent of secondary school units insofar as covered by such examinations. These examinations are given at stated times and places; information regarding details may be secured from the Director of Admissions.

III. Examination by the College.

ADMISSION TO ADVANCED STANDING

Students who transfer from a Junior College, or from another college or University, and who have sufficient credit therefrom, are admitted to advanced standing on credentials signed by the proper officials. These credentials should give full particulars regarding the nature of the courses taken, the time spent in each, and the student's final grade in the same.

THREE YEAR PROGRAM OF JUNIOR COLLEGE GRADUATES

Recognizing the increasing demand on the part of many Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to the Bachelor's degree rather than a two-year program leading to the Bachelor's degree, Pomona College wishes to announce that it is prepared to arrange such a procedure and welcomes inquiries from those who are interested.

ENTRANCE SUBJECTS

The only specific requirement is at least 3 units of English. In addition to this, applicants will find it advantageous to present the following: at least 2 units of one foreign language; 1 unit of history, algebra, geometry, and laboratory science; and 3 elective units of electives from the following subjects: English, foreign language, history, mathematics and laboratory science.

In advanced work in most fields, a reading knowledge of at least one modern foreign language is necessary, usually French or German. In some fields, a command of both is desirable. It is much to the advantage of the student to acquire this reading knowledge before entering college. Students who are planning to do advanced work in the Physical Sciences or in Mathematics, should well to take both Trigonometry and Solid Geometry in High School if possible.

ADMISSION AS SPECIAL STUDENTS

Advanced students, particularly those equipped for advanced work in special departments, may be admitted as special students to courses for which, by ability and preparation, they may be qualified. Special students are not candidates for a degree.

PRE-REGISTRATION AND REGISTRATION

Registration is held on appointed days, on or before the first Saturday in June, all

REGISTRATION

resident students must fill out a schedule listing their choice of subjects for the following year.

New students prepare a program of study on announced at the opening of each semester.

Registration is completed by the payment of tuition and on one of the regularly announced days preceding the opening of the class work of each semester.

The fee for late pre-registration or late registration is \$2.00 the first or second day following the appointed days, and \$10.00 additional for every day thereafter to a maximum of \$10.00.

CHANGES IN REGISTRATION

A student has the privilege of modifying his schedule of studies by addition, substitution, or discontinuance of courses with the consent of his adviser and the instructors concerned, at any time within two weeks of the beginning of class work. There is no charge for the dropping of courses by a student shall entail for him a loss of FF for the course, except as circumstances may, in the judgment of the instructor and the Classification Committee, warrant a different grade.

The fee for each change of schedule is one dollar (\$1.00). This fee is waived in the case of new students registering for the first time.

Students are admitted to those courses only for which they have formally registered.

Students are not received later than the last day set for the opening of schedule.

MATRICULATION

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the standing of all new students is provisional until after they have been in residence for one semester. At that time those are matriculated who have shown themselves in accord with the spirit of the College and who have done a satisfactory quality of work during their semester of residence.

Quality of work satisfactory for matriculation has been determined by the Faculty, thus:

"Matriculants must have carried the work of their first semester of residence without incurring any FF grades, and the Sophomores, if Freshmen, have earned at least 24 grade points, and if

or Upperclassmen, at least twice as many grade points as number of units for which they were registered. Students in class carrying less than 12 units must have made twice as many grade points as the units for which they were registered." Students failing to matriculate at the end of the first semester may be matriculated only after they have met all the requirements for two semesters. Students are not candidates for a degree nor are they eligible for commendation to college standing in another institution unless they have matriculated. All students must be matriculated before attaining to Junior standing.

SUPERVISION OF SCHOLARSHIP

at:

College regulates the amount of work a student may carry as follows:

For 16 units of academic work, exclusive of Physical Education (Gymnastics, Sports, Activities*) Military Drill* and is the general registration and the maximum for Fresh-

Students register for 17 units, exclusive of work stated in the pre-paragraph, a student must have earned 32 more grade points than the total number of units for which he registered the first semester; to register for 18 units, 40 more grade points. Students register for less than 12 units of academic work requires special permission.

at:

At the end of the first month of each semester, and also at or the middle of each semester, a report is made of all students failing or unsatisfactory work for the period preceding the report. In addition to these general reports, instructors make reports at any time concerning individual students who are not in good scholastic standing. Advisers and receive such reports and take such steps as are advisable in individual case.

At the end of each semester a complete report is made on every student. This report becomes part of the student's record and

semester hour value of each of these is as follows: Phy. Ed., 1; Mil. Drill, $\frac{1}{2}$; Choir, 1.

indicates the semester's standing in the courses for which he has been registered.

A student is expected to secure each semester twice as many grade points as the total number of units of registration.

A student is dismissed for low scholarship on the following basis:

At the end of *any semester* if his total grade points are equal or less than equal to the units for which he is registered.

At the end of the *second semester* of the college course, if deficiency in grade points is ten or more;

At the end of the *third semester* if his deficiency in grade points is ten or more;

At the end of the *fourth and succeeding semesters*, if his record does not have the ratio of twice as many grade points as the units for which he is registered.

At the end of any semester if his grade points for that semester are less than one-half of the units for which he was registered.

Departure from the above procedure may be permitted in special cases by concurrent action of the Classification and College Life Committees. If a student is permitted to continue his residence, after having become liable to dismissal under the above provisions, he is put on probation, becomes ineligible to represent the College in any inter-collegiate activity and is subject to such other restrictions as the College Life Committee may impose.

Withdrawing From a Class:

Students may withdraw from classes only through authorization from the Registrar's Office. This authorization is given by the office directly to the instructor.

Faculty Dropping Students:

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at a date later than six weeks from the beginning of the course. The student's class card, with a grade of either FF or W for failure, and an annotation reporting the fact of his having been dropped, shall be turned in to the Registrar's Office.

Attendance:

Students are expected to maintain regular attendance at all appointments in the courses for which they are registered. Poor attendance usually results in low scholastic standing or failure.

Instructors in "C" and "D" courses are at liberty to conduct classes upon the basis of voluntary attendance in cases where the classes are made up wholly of upper division students; "C" and "D" courses in which other students are involved, the Classification Committee has power to extend the voluntary basis.

Attendance at classes of students who are candidates for graduation may be voluntary at the option of the instructor concerned.

Examinations:

Final examinations are required of all students in all subjects, with exceptions made by action of the faculty. Regarding examinations for the Degree with Honors, see pages 52-55.

A schedule of final examinations is prepared by the Courses of Study Committee. No changes of classes from this schedule are made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee and presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the student.

An instructor may, at his discretion, appoint a time at which an excused test missed or not passed may be made up. Before a test can be taken, a receipt from the Business Office for a payment of a fee of one dollar (\$1.00) must be presented to the instructor by the student, unless this fee is remitted by the Classification Committee.

Trips:

Field trips are looked upon by the faculty as a legitimate part of certain courses. Permission for such trips is secured by application from the Courses of Study Committee at the opening of each semester. Instructors certify to the Registrar's Office the names of students participating in these trips.

MANUAL OF PROCEDURE IN HONORS STUDY

HISTORY

Prior to the academic year 1924-1925 Pomona College awarded honors at graduation on the basis of weighted grades. In the fall of 1924 a program of Reading for Honors in appropriate departments was added for a few students with special aptitude, the work of such students culminating in final comprehensive examinations. Beginning with the academic year 1927-1928 honors based on grades alone ceased to be given, and a special arrangement of courses and other directed study was substituted leading to the degree with honors. Beginning with September 1931, the rules and regulations set forth in this manual replaced the previous procedure with respect to candidacy for the degree with honors.

ADMINISTRATION

The administration of the routine involved in attaining the degree of Bachelor of Arts with honors is vested in a special committee of the faculty known as the Committee on Honors. This Committee alone has power to certify to the Registrar candidates for the degree with honors.

REQUIREMENTS FOR CANDIDACY

It is expected of a candidate for the degree with honors that he exercise initiative in his academic work; (b) that he pursue scholarship and curricular activities consistently first among his interests; (c) that he maintain a high standard of scholarship in the division of the curriculum in which lies his field of concentration, maintaining at the same time a satisfactory record in other work; (d) that during vacations he pursue progressive reading and study; and (e) that he seek to attain a broad thorough understanding of his field of concentration. Candidacy for the degree with honors may be continued only so long as the candidate maintains a quality of work and an attitude toward study such as will justify recommendation for the degree with honors at graduation.

REGISTRATION

FRESHMAN-SOPHOMORE ASSOCIATES

Freshman or Sophomore may associate himself with the program of the College by making a declaration of intention upon his registration card. This should be duly approved by adviser or by the head of the department in which he plans to

Freshman and Sophomore Associates may attend the regattum and spring gatherings and other group meetings of those who are candidates for honors.

REGISTRATION FOR GENERAL HONORS

any time between the end of sophomore year and the beginning of senior year a student may become a candidate for the degree with honors. Ordinarily there will be concentration under sponsorship of some department or division. In some cases the committee will accept a *special program* which cuts across departmental, or even divisional, lines.

Student desiring to become a candidate for the degree with honors should obtain an application blank from the Registrar. Application, together with a plan of study, both approved by student's department (unless a special program is planned), should be filed with the secretary of the Committee on Honors for final registration for the semester in which the student's work is to begin. The application can be accepted only if student has fulfilled his department's (or division's) requirements for candidacy. A list of these requirements can be obtained from the secretary of the Committee on Honors.

REGISTRATION FOR DEPARTMENTAL DISTINCTION

Each year a few students are accepted as candidates for the degree with distinction in a particular department. There are no requirements common to all departments, for each department determines and administers its own program subject to the general approval of the Faculty under the terms of this manual.

SEMESTER REGISTRATION

For final registration each semester, the candidate's card should be approved (a) by his adviser, acting for the department of registration, and (b) by the secretary of the Committee on

NUMBER OF CURRICULAR UNITS

A candidate for the degree with honors may graduate on basis of a registration of 12 curricular units per semester during the period he is registered as a candidate for honors.* Some departments insist upon this basis of registration; others, for some of their candidates, advise definite registration for fifteen units. A candidate who has been accepted in some field of concentration may register for a minimum of 9 curricular units with the approval of the department or the division concerned and the Honors Committee.

In senior year a candidate for the degree with honors who has also the degree with distinction in a specific field may register for less than 9 curricular units in view of special aptitudes. A minimum or its equivalent is required of such a student.

WITHDRAWAL

A student registered for the degree with honors may withdraw from candidacy on favorable action by the Honors Committee, and the Committee itself may withdraw a student from candidacy. In senior year the status of a candidate may be changed on the action of the Faculty. If, for any reason, a candidate leaves the honors status, the Committee, in consultation with the department or division concerned, certifies to the Registrar the status to which the student is entitled for the work done under its supervision.

ADVISERS

Each candidate at the time of his registration for the degree with honors is assigned an adviser recommended by the department, division or other sponsoring body, and accepted by the Honors Committee. Although a candidate proceeds on his own initiative, he confers regularly with his adviser concerning all his work, particularly that not covered by formal courses in the College. The adviser is expected to keep himself informed as to the progress of the candidate. The candidate's registration card each semester must bear the adviser's signature.

EXAMINATIONS

Prior to his senior year each candidate for the degree with honors takes final examinations in courses outside of the field of his concentration; in Senior year such examinations may be omitted at the option of the instructor. From final examinations

*Exclusive of Military Drill, Choir and required courses in General Education.

tions in the department of his concentration he may be extended at the discretion of the department concerned.

A candidate for the degree with honors may concentrate only on one sponsorship which provides written comprehensive examinations, during senior year. The date of these examinations is determined by the sponsoring body which also sets the questions and conducts the examination, under the general supervision of the Committee on Honors. It is proposed through these examinations to take the measure of each candidate's abilities and to determine the quality and range of his scholarship and his insight as they are revealed in his grasp of the field of concentration. A list of the paper set for each final comprehensive examination is submitted to the Committee on Honors that it may review the paper and advise the examiners as to its adequacy in relation to the program.

A student who seeks departmental distinction takes in addition to the above comprehensives an oral examination conducted by a committee of at least three, one of whom is the candidate's advisor. The other members are appointed by the Committee in consultation with the department concerned, and one of the examiners is usually from some other institution. The purpose of the oral examination is to supplement the examinations previously mentioned and it is therefore expected to cover the entire scope of the student's field of concentration.

CREDIT

At the end of a candidate's senior year the Committee, after consultation with the department or division concerned, certifies to the Registrar the credit to which the candidate is entitled for his work under its supervision.

GRADUATION

In the case of a candidate who qualifies for the degree with departmental distinction the Committee certifies to the Registrar the particular type of distinction, *cum laude*, *magna cum laude* or *summa cum laude*, to be placed upon his diploma.

In the case of a candidate who qualifies for the degree with departmental distinction the Committee, on the recommendation of the department concerned, certifies to the Registrar the honor of distinction in "_____ (i.e. subject).

The types of honors are announced upon the Commencement exercises and recorded upon the graduates' diplomas.

REQUIREMENTS FOR DEGREE

DEGREE OF BACHELOR OF ARTS

The courses of study offered lead to the degree of Bachelor of Arts under the following requirements:

UNIT REQUIREMENTS

One hundred and twenty-six units (semester-hours) of are required for graduation. A "unit" consists of one recitation period, or one laboratory period a week for one semester. A recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in four years one must take an average of fifteen units of academic work per semester throughout the four years.

GRADE POINT REQUIREMENTS

In order to graduate a student must not only earn a certain number of units, but also attain an average of at least C grade for those units. To this end a certain number of grade points is assigned to each grade as a basis of determining average grade. This number is so adjusted that the number of credits required for graduation coincides with double the number of units.

GRADES AND GRADE POINTS

1. Grades and grade points are as follows:

GRADES	GRADE POINTS PER UNIT
A	4 (excellent)
B	3 (very good)
C	2 (average)
D	1 (passing)
F	0 (failure) may be made up to outside of class
FF	0 (failure) may not be made up
I (Incomplete)	by repeating course
W (Withdrawn with permission while work was of passing grade or better)	

2. The F grade and the FF grade both indicate a failure. In the case of the F grade the failure incurred may be made up outside of class upon conditions laid down by the teacher, provided the conditions are met on or before the first day after the Spring session, if the failure is incurred in the first semester,* or on or before the first day of recitation of the next College year, if the failure was in the second semester. An F grade made up outside of class may not be raised above a D grade. An F grade not so made up may not be raised above a D grade.

*F or I grades incurred during the first semester of year one may be removed on the recommendation of the teacher concerned by the successful completion of the work of the final semester.

mentally upon the records as a failure. A FF grade can be made by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated next offered. A student may not continue with work in which he has received a FF. The making up of work which has received an F or FF grade does not expunge the grade from the record. It does not permit credit and "grade points" for the course.

All F and FF grades reported by teachers are accompanied with a specific statement in writing of the cause for the failure and a remedial statement in case of the F grade of the work necessary for removal. A copy of this statement is mailed to students.

The I mark is given where illness on the part of a student prevents the granting to him of additional time for the completion of the work. It may be changed upon the same conditions as those allowed for the making up of the F grade, with this exception, that a D grade may be thus earned.* Teachers wishing to give an I grade for other justifiable cause than illness must receive permission to do so from the Classification Committee.

The mark W is used where a student has withdrawn from a course with the permission of the Registrar's office, provided, however, that the student was not reported as below D in the subject in the scholarship report preceding his withdrawal. If the student was reported below D, the grade of the report is entered upon the records and the student is subject to the conditions stated for F and FF grades. Withdrawal from any course within a month of the examination period is not permitted save by special action of the Classification Committee, and even with that permission involves a failure in the course.

CHOICE OF SUBJECTS

In the selection of his work the student in Pomona College is afforded a large range. The only limitations are such as will insure a balance on the one hand, the breadth of view which may be gained by an introductory study of each of the great realms of knowledge; and on the other, that concentration along some chosen line of study which shall develop power of thought and an actual fund of knowledge in some particular field. To this end the following requirements for graduation have been approved. Every regular student in residence in Pomona College shall complete not less than half of his registration each academic year from the following in Pomona College.

Foot-note on preceding page.

GENERAL REQUIREMENTS FOR GRADUATION

I. FOR THE LOWER DIVISION

1. Four units (semester hours) of Physical Education (Active).
Note: For two of these units work in Military Science may be substituted.
2. At least one course (two semesters) in each of five of the following divisions (I-VII), no one of the groups (A,B,C) to be passed over.

Group A.

- Division I. Art; Music (Theory and Appreciation).
II. English; Public Address.
III. French; Italian; Spanish; German; Greek; I

Group B.

- Division IV. Biology; Botany; Zoology.
V. Mathematics; Chemistry; Physics; Astronomy;
Geology.

Group C.

- Division VI. Economics; Education; History; Political Science;
and Law; Sociology.
VII. Philosophy; Psychology; Religion.
3. Courses at student's choice in any of the above named divisions, in Military Science, and in Physical Education to make up a sum total of 64 units.

II. FOR THE UPPER DIVISION¹

1. Two units (semester hours) of Physical Education (Active).
2. Sixty other units, election subject to the following principles of distribution:
 - a. Each student shall complete during each semester Junior year at least one course (not less than 2 units) in each of three departments.
 - b. Each student shall complete for graduation not less than 30 units of C and D work.

These General Requirements are designed to protect the student against gross errors in shaping his collegiate program, especially

¹Prior to graduation, all students are required by the laws of the State of California to pass a course or an examination in the Constitution of the United States. This requirement is met by Political Science A1, B3b, C101, C104, D114, History D119, D125.

g the Lower Division years; they intentionally leave him a deal of freedom to shape his course of study according to his list. In the exercise of this freedom it will be the part of wisdom for him to take advantage of the working organization of the regular program into sequences of courses, departments and divisions, looking upon these things as aids of which he, as student, may avail himself in the process of securing an education. Courses, however, are merely aids toward, not substitutes for, reading, discussion and independent study.

In the evaluation of all academic exercises the quality of English by the student will be weighed together with the soundness and soundness of his thinking. Before any student is accepted to a division standing he must satisfy a committee of the College of his ability habitually to use English of good quality. A student whose English is persistently slovenly or unacceptable may therefore be withdrawn from candidacy for a degree at the next ensuing commencement if his deficiency recurs as late as the middle of his year.

Responsibility for raising the level of a student's habitual use of English lies solely with himself, inasmuch as it is not the policy of the College generally to undertake the teaching of basic secondary subjects. Moreover, since no specific course or courses in English are now required for graduation, students who have weak English are expressing themselves in their mother tongue should bear in mind the value of certain important courses offered by the Department of English.

THE PROGRAM OF STUDIES

For each student the College strongly recommends the shaping of a program of studies that will mean (1) by the end of the Sophomore year, an intelligent orientation in as many as five of the great fields of learning corresponding to the "divisions" (I-VII) of the general statement of Requirements for Graduation, and (2) during the Junior and Senior years, a relative concentration of effort in one of those fields, such a concentration as is needful for the effective organization of one's Collegiate program as a whole.

CONCENTRATION IN SPECIAL FIELDS

Under the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and lines of procedure have become established:

Lower Division Preparation: There must be sufficient work in the Lower Division (A and B) in the special field and in allied fields to ensure adequate preparation for carrying successfully the work in the Upper Division.

Upper Division Requirement: Not less than eighteen hours of work in the Upper Division (C and D) must be of D rank, and six of them must be taken during the Senior year.

60 GENERAL REQUIREMENTS FOR GRADUATION

3. Foreign Language: For advanced work in most fields reading knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of both is most desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college.

4. Comprehensive Examination: In most divisions of the college the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which concentration lies.

5. Adviser: That member of the faculty in whose field the student is working intensively becomes the student's official adviser during his Junior and Senior years. It will be well for the student to consult his prospective adviser even earlier in his course.

The application of these ideas involves to such a degree a recognition of differences between fields of learning and between individualities of students that no summary statement of them should be thought of as complete. The attention of those interested in special fields is therefore directed to the following more extended presentations of the work of the respective divisions. In addition, certain pre-professional courses are also presented as an outline for the benefit of students who look toward teaching, engineering, or medicine.

Most of the statements made in connection with concentration should be read as suggestions rather than as rigid regulations; the degree of emphasis attached to each such suggestion will be determined for the student by his adviser.

DIVISION I—FINE ARTS

(DEPARTMENTS OF ART AND MUSIC)

courses in the history, appreciation, and theory of art and are offered by the College as contributions to personal culture and receive credit toward the Bachelor of Arts degree on the basis as other academic courses. In the fields of applied music technical proficiency is aimed at, with the idea, first, of forming an appreciative taste, and second, of stimulating creative worthy of expression.

APPLIED ART WORK: This is divided into two branches to meet student's preference for Drawing and Painting, which look toward Fine Arts endeavors, or for Design and Crafts, which relate to Industrial Arts and the home. In recognition of the interdependence of Design and Drawing as the basis of all art training, fundamental courses in both subjects should be pursued early in the college course. Theory courses must be included with advanced work in either branch of Applied Art study. The student will be expected to present his work in the Departmental Exhibition at the end of each year. Upon the completion of the third year of study the student will be expected to have a separate exhibition of his work of that year.

APPLIED MUSIC: The student may take music as a subject of concentration in his course leading to the Bachelor of Arts degree. In addition to this it is possible to meet the requirements of the State Board of Education for the Special Credential in Music, which are those recommended by the College to teach music in the elementary and secondary schools of the State of California. The student, whether concentrating in music or working toward the Special Credential should take the beginning harmony and sight-reading courses in his first year; otherwise he may have difficulty in completing the requisite courses in four years.

A candidate for the Special Credential in Music must give a recital to the public in his major subject in Applied Music. The requirements are varied according to the type of credential desired (Public School Music, Voice, Piano, Organ, Violin, or other instruments) which is desired by the candidate. Complete information as to these requirements may be obtained from the Department of Music.

A student in applied music will be enrolled for credit toward the Bachelor of Arts degree upon the written recommendation of the Department of Music. This recommendation is based on a system of proficiency tests given before an examining committee of the music faculty. In addition, the work in applied music must be accompanied or preceded by first year harmony or sight-reading to receive credit. A second year or more of credit is required when the applied music course is accompanied or preceded by first year harmony or Advanced Dictation. A minimum of two lessons weekly is required. Proficiency tests are required of students desiring credit toward the Bachelor of Arts degree.

SUGGESTED PROGRAM

DIVISION II—ENGLISH

(DEPARTMENTS OF ENGLISH AND PUBLIC ADDRESS)

- I. The Division of English functions in three different ways
 1. To persons desirous of proficiency in our tongue whether for the sake of apprehending the ideas of others or for the sake of expressing their own, it affords opportunity in reading, writing and speaking.
 2. To persons seeking the mental and spiritual culture attendant on the processes of literary appreciation it offers a generous variety of courses.
 3. To persons who wish to make English in any phase the dominant feature of their collegiate program it provides opportunity for concentration during the junior and senior years.
- II. To the end that proper organization and direction be achieved and a desirable breadth at the same time maintained in the programs of students concentrating in English the following objectives are recommended for their guidance
 1. Effective command of the English language, in writing and in speech.
 2. Extended and intensive experience in literary criticism; interpretation and criticism; original creation.
 3. Intelligent acquaintance with the great books of the world. Reading Lists I and II offer guidance supplementary to that afforded by organized courses.
 4. A general knowledge of English and American culture in its historical development.
 5. Some understanding of the more significant movements in the field of philosophy, especially as they bear on literature and art.
 6. A mastery, the more complete the better, of at least one language other than English. Besides the added understanding of general linguistic problems achieved through such study the intimate contact with a foreign culture entailed in the use of its language has a value attainable in no other way.

Students who have in mind to go on to advance work in English should recognize from the beginning that the best university standards will demand a thorough grounding in Latin—not less than the full high school course in reading knowledge of both French and German.

NOTE: Personal interests of the student—in Art, phases of Social Science, or of Physical and Natural Science—may very properly be accorded such recognition in his program as to entail a sacrifice—at least in part—of more of the "objectives" listed.
- III. The minimum formal requirement for concentration in English is 24 hours of satisfactory work in the Upper Division, consisting of two C courses and two D courses, one of which shall be a course.

DIVISION III—FOREIGN LANGUAGES AND LITERATURES

FRENCH, GERMAN, GREEK, ITALIAN, LATIN AND SPANISH)

CONCENTRATION IN THE DIVISION

A student interested in the synthetic study of the complete field of foreign letters may, under an adviser appointed by the division, do work in the various departments of the division, thereby concentrating in the division. Such a student should hold nothing but bearing conferences from time to time with the divisional adviser, looking toward a comprehensive examination in the general field of foreign languages and literatures.

CONCENTRATION IN DEPARTMENTS

A student planning to concentrate upon any one of the foreign languages should have begun his study of that language before entering college. Preparatory work in some other language is also of distinct advantage.

Although the student is normally expected to concentrate in one of the departments of Foreign Languages, he should acquire as broad an acquaintance as possible in all the other fields of literature represented in the division.

Eighteen to twenty-four hours of C and D work are required in the department concerned, in which at least a B average must be maintained. For a student desirous of doing more specialized work than is possible under the regularly scheduled offerings, the Honors program presents additional opportunity. At the end of the Senior year a comprehensive examination will be required.

GREEK AND GREEK

Concentration in the Classical Languages is designed to give a student a technical knowledge of the language and literature of his special interest and an appreciation of the life and institutions intimately connected with that literature.

The student of Latin is expected also to have an acquaintance with the Greek language and literature. It is not essential however in the lower division courses of Latin.

ROMANCE LANGUAGES AND LITERATURES

A student expecting to concentrate within the field of the Romance Languages and Literatures should be fortified with a preliminary knowledge of Latin, and will find it much to his advantage to have begun the study of French or Spanish, or both, before entering college.

Concentration in a Romance Language and Literature is designed to provide: first, a broad general knowledge of both the language and literature of the student's special interest; and second, a considerable knowledge, represented by not less than two years of work in at least one other language of the Romance field.

A student who is well equipped in foreign language on entering college is urged to take work in all three of the Romance Languages.

GERMAN

Concentration in German is designed to give the student a knowledge of the language and of the German civilization as represented in the best works of literature.

DIVISION IV—BIOLOGICAL SCIENCES

(DEPARTMENTS OF BIOLOGY, BOTANY AND ZOOLOGY)

I. OPPORTUNITIES.

The location of Pomona College, close to mountain, coastal plain and sea, makes it especially suited to studies of thematic and ecological nature. This assures also an adequate diversified supply of materials for class and laboratory and special problems of a morphological or physiological nature. College, furthermore, possesses a number of special biological lectures, notably of plants and insects. The Marine Laboratory of the College at Laguna Beach is an adjunct valuable during summer session and of use on occasion throughout the year.

II. CONCENTRATION IN THE DIVISION.

A student emphasizing biological science is ordinarily expected to have Biology A1, and Biology B2, followed by an integrated program in either Botany or Zoology or both. Those concentrating in this division are expected to participate in a non-credit bearing conference looking toward a comprehensive examination at graduation. A reading knowledge of German and French and a training in physical sciences are also expected according to the needs of the individual.

III. COURSES PREPARATORY TO:

(1). Graduate work, looking towards investigation or higher education. Broad foundations in the biological and physical sciences, with liberal selections of advanced courses in the field of concentration, are essential for those who anticipate professional work in biological science.

(2). Teaching in secondary schools. Teachers of biological subjects and general science need basic courses in as many branches of science as possible. The following are also important: Physiology and Taxonomy, Physiology, Entomology, Functional Zoology, Genetics and Bionomics.

(3). Museum work, conservation, nature guide work, biology. In addition to the basic courses are recommended: Taxonomy, Functional Zoology, Entomology, Special Problems in Geology.

(4). Horticulture, agronomy, landscape art, forestry. For the first two: Plant Physiology, Bacteriology, Entomology, General Chemistry, considerable Chemistry, Elementary Physics, Structural Geology. For landscape art: Plant Taxonomy, Freehand and Mechanical Drawing, Surveying, Chemistry, Geology, and Economics. For forestry: Plant Taxonomy, Entomology, Surveying.

(5). Medicine, nursing, laboratory technique, public health, sanitation. Pre-medical requirements are discussed elsewhere. Inasmuch as medicine is highly biological, a liberal education in zoology, histology, neurology, functional zoology is recommended. Work in Entomology, Bacteriology and General Biology is recommended in addition to the above for Public Health.

DIVISION V—PHYSICAL SCIENCES

DEPARTMENTS OF ASTRONOMY, CHEMISTRY, GEOLOGY,
MATHEMATICS AND PHYSICS)

The Division of Physical Sciences renders through its freshman and sophomore courses two quite distinct types of educational experience:

For persons who are not intimately concerned with scientific pursuits it offers a general introduction through surveys to modern scientific method, to the philosophic aspects of science, and to the place of the sciences in the general scheme of human affairs, along with the theoretical and descriptive presentation of subject-matter. Conspicuous among such courses are: Mathematics A1, Physics A1, Chemistry A1, Astronomy B1 and Geology B1.

For those who incline toward more emphasis on the physical sciences during their collegiate years, whether for purposes of research, or with a view to engaging in commercial enterprises requiring knowledge of physical science, or because of an interest in scientific study for its own sake, the Division offers excellent opportunities for concentration.

REQUISITES for undertaking concentration in Physical Sciences:

Physics and Chemistry: Fundamental in importance is the understanding of the constitution and value of matter and energy as is ordinarily gained through basic courses in Physics and Chemistry.

Mathematics: A practical knowledge of the tools of scientific reasoning acquired in Mathematics is essential. This will require mathematics courses at least through calculus. It is urged that in planning such work in college complete trigonometry in high school.

Foreign Languages: It is highly desirable that the student intending to concentrate in the Physical Sciences shall acquire a working knowledge of both French and German.

CONCENTRATION: Each one of the departments grouped in the Division has its own sequence of courses for the student concentrating in its section of the general field; but it also requires supplementary work in related departments. In addition, there are opportunities for concentration in fields that cross departmental boundaries. The combinations and implications are too markedly individual, however, to permit of a satisfactory general statement; they must be worked out between the student and his adviser.

SUGGESTED PROGRAM

DIVISION VI—SOCIAL SCIENCES

(DEPARTMENTS OF ECONOMICS, EDUCATION, HISTORY,
POLITICAL SCIENCE AND LAW, AND SOCIOLOGY)

CONCENTRATION IN THE DIVISION¹: Although emphasis program of a student concentrating in the Division is placed on an integrated sequence of studies in one of the social sciences, it is expected that the student will obtain a broad understanding of the content and meaning of the social sciences as a whole. With this in view he will include early in his course at least three of the basic courses² in the Division. He will maintain a "B" average in the social studies, will complete 24 units in "C" and "D" courses in the Division of which at least 12 must be "D," and will include courses D251 and D252 in the social science of his more intensive study.

FOREIGN LANGUAGE: It is recommended that every student concentrating in the Division of Social Sciences acquire a reasonable knowledge of French *and* German. Normally by the beginning of the Junior year but not later than the middle of his Senior year the student is required to file with his Adviser a written certificate of his ability to read French *or* German, issued by a member of the Division who has been designated to examine in those languages.

COMPREHENSIVE EXAMINATION: The work of a candidate concentrating in social sciences culminates in a written comprehensive examination, administered by the Division. This examination consists of two parts: (1) a general examination to reveal the candidate's grasp of the broader aspects of the several social sciences, their interrelations, and (2) a more specialized examination to test his mastery of the particular social science which the candidate has studied intensively. Inasmuch as the purpose of the comprehensive examination is to appraise the candidate's integration of the entire range of social studies included in his undergraduate program, the passing of both parts of this examination will exempt the student from final examinations in social science courses at the end of his Senior year.

The following courses offered by the Department of Social Sciences are considered to be part of the work of the Division of Social Sciences:

Introduction to Education; History of Education.

SUPPLEMENTARY COURSES: In addition, the courses listed and other courses approved by the Division, may form a part of a student's program of concentration in the Social Sciences:

Philosophy of the State; History of Philosophy; Sociology.

The attention of social science students is called to the fact that many courses available to them, offered by affiliated colleges in the Department, are available to them.

¹No departmental concentration, or major, is offered in the Division of Social Science.

²Economics B11, History A1, Political Science A1, Sociology A1.

DIVISION VII—PHILOSOPHY, PSYCHOLOGY AND RELIGION

SUGGESTED COURSE during the Lower Division years for those intending to concentrate in the Division:

FRESHMAN YEAR

Biology A1
Chemistry A1 or Physics A1
History A1 or Political
Science A1
English A1
Religion A1

SOPHOMORE YEAR

Zoology B3 or Astronomy B1
Psychology B1
Economics B11 or Sociology
B21
Philosophy B21 or B23
Religion B

Note: A reading knowledge of French and German is ultimately necessary for persons who undertake advanced graduate work in the field of the division.

CONCENTRATION IN THE DIVISION requires:

- 1. The completion of the following basic courses:
Philosophy C125 or C127;
Psychology B1;
Religion C109.
- 2. The completion of forty units in the division; eighteen of these shall be taken in one of the departments of the division; six of them shall be of D rank.
- 3. The maintenance of a grade of B or better in divisional courses.
- 4. The passing of a comprehensive examination covering the entire field of concentration at the close of the senior year.

SUGGESTED PROGRAM

A SUGGESTED PRE-ENGINEERING COURSE

In the belief that the training of a liberal arts college, so essential to men in other professions, is essential to the engineering student at Pomona, Pomona has developed a series of courses to enable its graduates to enter the upper division work of engineering schools and to graduate therefrom in two years. Men during the first two years will take the same course regardless of the field of engineering contemplated.

FRESHMAN YEAR

Chemistry B3 or A1 and B2.....
 Mathematics A1.....
 Mathematics A7 (Engineering Drawing).....
 Foreign Language.....
 Elective.....

SOPHOMORE YEAR

Economics B11.....
 Mathematics B15.....
 Mathematics B9 (Engineering Drawing).....
 Physics B2 and B4.....
 Foreign Language.....

Pre-engineering students are advised to take in their Junior and Senior years as many as possible of the following courses.

JUNIOR AND SENIOR YEARS

Mathematics D120.....
 Astronomy or Geology.....
 Economics.....
 Physics C111 and D109.....
 Mathematics D121.....
 Physics D220.....
 Physics D113 Analytic Mechanics).....

In addition the six weeks' summer course in surveying at Lake should be taken by all.

A SUGGESTED PRE-MEDICAL COURSE

certain subjects have been designated by the Council on Medical Education of the American Medical Association as minimum requirements for entrance to Class A medical colleges. Many of the medical schools, however, have requirements well beyond minimum, and from many more applicants than can be accepted, selecting only those who are best prepared and have demonstrated the highest scholastic ability and laudable personal traits. Medical students are advised not to attempt to crowd the minimum requirements into two years of college work, but to build, in leisurely fashion, a broad educational foundation. Breadth of culture, and a thorough grounding in the biological and physical-chemical sciences are the objectives of the premedical

Below is outlined a curriculum which meets the requirements for graduation from Pomona College and the entrance requirements of the medical colleges in the United States. It can readily be modified, as regards both science and non-science courses, to meet the specific requirements of any medical school which the student plans to attend.

FRESHMAN YEAR

	Units
A1	8
Physical B3, General.....	8
A1, General	6
A1	6
.....	4

JUNIOR YEAR

	Units
Zoology C115, C117	8
(Comp. Anat., Embryology)	
Chemistry C110, Organic.....	8
Physics B2, B4.....	10 or 8
French A1, or Elective.....	6

SENIOR YEAR

SOPHOMORE YEAR

B2a, b, Zool.,	
any	8
Physical B6, Analytical..	6
Statistics A1, General..	6
B3	6
, Div. VI or VII, 4 or 6	

All Elective. Suggestions:
Histology, Neurology
Biochemistry
Physical Chemistry
Physics, Mathematics
French or German
Psychology, Philosophy
Social Sciences
English Literature

Leading knowledge of both German and French is highly desirable. High School work in these languages and in Latin is recommended for those planning the medical course, and the program outlined above may be modified in accordance with pre-college preparation in these subjects.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS

The courses in Education in Pomona College are designed to supply the information each intelligent citizen should have concerning one of the most important of our social institutions; they also to the prospective teacher a certain amount of pre-professional training.

CERTIFICATES: In California every teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon presentation to the county board of education of a qualifying credential issued by the State Board of Education through the Commission on Credentials. The Commission issues the credential to the candidate upon the basis of evidence furnished by the candidate's college that he has completed the requirements laid down by the state. Requirements vary for different certificates and those contemplating entering the teaching profession should make themselves familiar with these requirements as indicated in the bulletin of the State Board of Education which may be had by application to the State Board in Sacramento.

The more technical professional requirements are not met by courses offered in Pomona College and will need to be supplied by courses taken in Claremont Colleges or elsewhere. Pomona College, however, does undertake to offer the prospective teacher the opportunity of becoming thoroughly acquainted with the fundamental concepts of education as a social institution and of laying a broad foundation upon which future technical training may profitably be built.

A SUGGESTED PROGRAM for the prospective teacher:

FRESHMAN YEAR: Academic courses preparatory to the professional studies are of primary importance in the preliminary material in view.

SOPHOMORE YEAR: Education B3; Psychology B1; further studies in the subject-matter to be taught.

JUNIOR YEAR: Education C104; Psychology C107¹; further studies in the subject-matter to be taught, or in related fields.

SENIOR YEAR: Education D215. A rounding out of the subject-matter to be taught.

¹These courses count technically as Education in all matters relating to teacher's credentials.

SUGGESTED COURSE FOR PROSPECTIVE TEACHERS OF PHYSICAL EDUCATION

FRESHMAN YEAR		SOPHOMORE YEAR	
	Units		Units
h A1	8	Zoology B3	6
stry B3	8	Sociology B21	6
y A1	6	Psychology B1	3
ne A5	2	Music B3	6
es from divisions		Electives	9 or 10
VI, or VII.....	8 or 9		
JUNIOR YEAR		SENIOR YEAR	
Address B32.....	4		
ology C107	3		
y C105	3		
al Education C130..	3	Physical Education C126..	2
al Education C127,		Education D215	3
.....	4	Physical Education D133..	3
al Education C119		Physical Education D131..	3
women)	2	Chemistry C114	4
ion B3	3	Psychology C104	3
es in divisions		Electives	12
e than VI or VII....	8 or 9		
Units of required Physical Education Activities.			

suggested that the required Physical Education activities be
cted as to give the individual opportunity for both technical
nd leadership training in a wide range of activities.

rogram followed by a year of graduate work in Claremont
s will qualify the student for the general credential with a
n physical education.

ng knowledge of French and German is highly desirable for
dents who plan to go on to graduate research in Physical
on.

COURSES OF INSTRUCTION

DESIGNATION OF COURSES

The letter preceding the number in the designation of a course indicates in general its grade. Elementary courses, designated A (as English A1) are given in Freshman or Sophomore years. Courses are either those which follow the A course of earlier years or the more advanced beginning courses; C and D Courses are advanced courses given to Juniors and Seniors, D courses being more difficult. The natural sequence of courses is from A to B, B to C, and C to D, and a student may not enter a C or D course without previous work in the same line.

Courses with numbers below 100 are underclass courses; those numbered from 100 to 199 are for Juniors and Seniors; those numbered over 200 are not open to students of less than Senior standing.

Any course may be withdrawn if the enrollment is less than five.

In departments where one-unit courses are offered, two-unit courses should be completed to secure the counting of unit grade-points toward graduation.

When courses in different semesters have the same general number and are connected by a hyphen thus, B1a-B1b, they cover a common subject and the entire sequence should be taken. If, however, they are connected by a comma, thus, B1a, B1b, although the subject extends throughout the year, independent credit is given for the work of the first semester and the first course may be followed by some allied subject instead of the next course in the sequence. Entrance to the second semester course is by permission of the instructor.

All courses are three units each unless otherwise designated.

Roman numerals show the periods of recitations. Two courses with the same Roman numerals cannot be taken contemporaneously unless the numerals are preceded by different letters (as M and N) showing that the classes meet on different days of the group.

	8:00	9:00	10:00	11:00	1:15	2:15
<i>MWF</i>	<i>I</i>	<i>III</i>	<i>V</i>	<i>VII</i>	<i>IX</i>	<i>XI</i>
<i>TThS</i>	<i>II</i>	<i>IV</i>	<i>VI</i>	[T-Chapel Th-Assembly]		<i>X</i> <i>XII</i>

Hours to be arranged—A.

If a letter precedes the numeral, the class meets only on that day of the group.

ART

Fee of \$5 is charged for each unit of credit except in course

3b. Design and Drawing.

MR. BEGGS

Study of order in the graphic arts. The appreciation of form and its expression in pencil, charcoal and color. 2 or 3 units. Class, *WF, IX*; laboratory, *WF, XI, XIII*. A third semester hour to be devoted to the application of this experience to commercial art problems. *MV*.

9b. Modeling.

MR. JURECKA

General foundation in Sculpture, comprising a study of antique sculpture from casts and work from nature forms. 2 units. *TTh, X*, laboratory, *TTh, X and XIV*. Special fee, \$25.00 per semester.

b. Composition.

MR. BEGGS

Original Design in various media requiring a sketch each week of an assigned subject of an illustrative or decorative nature. Taken in conjunction with another applied art course; may be substituted for credit. 1 unit. *FV*.

11b. Advanced Drawing.

MR. BEGGS

Advanced drawing in charcoal in the first semester is followed by portrait drawing from the model in the same medium in the second semester. Class, *TTh, X*; laboratory, *TTh, XII and XIV*.

15b. Advanced Modeling.

MR. JURECKA

Advanced work in applied ornament. Portrait study from cast and from model. Studio methods; casting and armatures. 2 units. Class, *TTh, 4:15 to 5:05*; laboratory, 4 hours, *A*. Fee, \$25.00 per semester.

2102b. Life Drawing.

MR. BEGGS

Study of anatomical function and the construction of the human form. Prerequisite B11a-b or equivalent. 2 units. *MWF I and III*.

2107b. Life Modeling.

MR. JURECKA

Modeling from life. Figure, portrait in the relief and in the round. Laboratory and related work. 2 units. *A*. Special fee, \$25.00 per semester.

History of Art.

MR. BEGGS, MR. ROBBINS
and Others

Study of the historical development of art with especial attention to national genius and expression. First semester. *III*.

In addition to the courses listed below there will be announced at registration certain courses in Scripps College open for students under approved conditions.

C120a-C120b. Painting.

MR. E

Practice in Still-life and Landscape is adapted to a study of techniques of various historic schools of oil painting. These explained by means of a system of set palettes which afford understanding of painting principles and an opportunity for development of individuality of manner. 2 units. Class, *XIII*; laboratory, *WF, IX, XI*.

D105a-D105b. Advanced Painting.

MR. I

Attention is given to the completion of easel pictures including the portrait and the decorative composition. A large fine canvas is required in the second semester. 2 units. Class, *XIV*; laboratory, *A*.

ASTRONOMY

B1a-B1b. An Introduction to Astronomy.

MR. WH

A survey course presenting the general facts of historical and modern astronomy in non-technical form suited to student with a minimum of science preparation. An appreciation is shown of man's relation to the surrounding universe. Regular evenings with the telescopes at the Brackett Observatory are supplemented by group projects and field excursions. Classroom two hours per week; observatory, etc. amounting to one period per week. Observatory fee, \$3.00 per semester. *VII*.

C101-C102. General Astronomy.

MR. WH

A course in the fundamentals of modern astronomy designed for students planning to do advanced work in this field or who desire a working knowledge of geometry, trigonometry and the physical principles of physical science. Classroom and supply fee, \$3.00 per semester. Observations amounting to three units. *A*.

C103a-C103b. The Sun; a Star.

MR. WH

A comprehensive laboratory study of our sun as a representative citizen of the universe and the ruler of the solar system. The program includes regular cooperative observations of sunspots, solar prominences and the sun's heat radiation with a 40 ft. focus horizontal solar telescope, spectroheliograph, also quantitative measures and the photography of lunar and stellar objects. Prerequisites Astronomy B1 or C102 or the equivalent in physical science. Three units. Observatory fee, \$3.00 per semester. *A*.

D104, D105. Theoretical and Practical Astronomy.

MR. W

First Semester. Deals with the theory and practice in the use of the telescope, transits, sextant, etc., in the determination of latitude and longitude with applications to civil engineering.

marine and aerial navigation problems. Classroom one unit; observatory two units. Laboratory fee, \$2.00. *A.*

Second Semester. A short course in Celestial Mechanics or the applications of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems on the prediction of eclipses and occultations and on the computation of the orbits of comets, etc. Three units. *A.*

a-D106b. Astrophysics.

MR. WHITNEY

Considers the applications of the principles of modern physics and chemistry to a study of the constitution of the universe and the reciprocal contributions of astronomical research to the physical sciences. Laboratory observations both visual and photographic with the telescopes, spectrograph, etc., are accompanied by studies of the theory of these instruments and their applications to astronomical problems. Classroom one unit; observatory two units. Laboratory fee, \$3.00 per semester. *A.* Offered alternate years. (*Omitted in 1934-1935*).

Investigations in Astronomy.

MR. WHITNEY

A unified program of investigation in some particular field such as variable stars, double stars, solar radiation, meteor observations, etc., is arranged. Each semester one to four units. May be elected for credit. Laboratory fee, \$2.00 per unit per semester.

BIOLOGY

1b. General Biology.

MR. HILTON, MR. MUNZ and ASSISTANTS

General course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany, or zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the project method it will be fitted to the preparations, needs, and interests of individuals or groups. Class, *MW, VII* and *F* at the pleasure of the instructor; laboratory, field trip, or demonstration *T, Th, F, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

2b. Advanced Biology.

MR. HILTON and MR. MUNZ

General Zoology first semester. General Botany second semester. General survey of the animal and plant kingdoms, dealing with classification, structure and life-processes of both groups. Prerequisite: Biology A1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the division. 4 units. Class, *M, II*; laboratory, *TTh, 1:15-4:10*. Laboratory fee \$8.00 each semester.

C105. Bacteriology.

MR. MU

General study of important bacteria, methods of culture study, and importance in disease and agriculture. Prerequisite: one year of biological work. First semester. Class, S, laboratory, *WF*, 1:15-4:10. Laboratory fee, \$8.00. Breakage deposit, \$5.00.

C107. Genetics.

MR. MU

A non-laboratory course covering modern developments in study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems and discussions. Prerequisite: one year of biological work. First semester, *I*. Fee, \$3.00.

C108. Bionomics.

MR. HIL

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to Juniors or Seniors who have had a year of biological work. May be taken with Zoology D131 for three hours. Second semester. 2 units. *MW*, *I*.

BOTANY**C123. Plant Physiology.**

MR. M

A study of the physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching biology, and for botany majors. Prerequisite: Biology B2b. Second semester. *A*. Two class periods and one laboratory. Laboratory fee, \$8.00. Breakage deposit, \$5.00. Alternates with Botany C124.

C124. Mycology.

MR. M

A brief survey of the fungi, with particular reference to forms which are economically important. Second semester. Class, 1 hour, laboratory and field work, 2 periods. Laboratory fee, \$7.00. (*Omitted in 1934-1935*).

D125a, D125b. Taxonomy.

MR.

Study of our local flora and more common cultivated plants. Principles and methods of classification and taxonomic work. Much field work with trips to desert, mountains and shore for study of plants in their native conditions. Prerequisite: Biology B2b. First semester, Class, *WF*, *III*; laboratory, *M*, 1:15-4:10. Second semester, Class, *F*, *III*; laboratory, *MW*, 1:15-4:10. Laboratory fee, \$7.00 each semester. Alternates with D127. (*Omitted in 1934-1935*).

a, D127b. Anatomy and Comparative Morphology of Green Plants.

MR. MUNZ

the anatomy with special reference to vascular tissues from the evolutionary point of view. Morphology covering life-histories, evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Biology B2b. Class, laboratory, *M*, 1:15-4:10. Laboratory fee, \$7.00 each semester. Alternates with D125.

. Botanical Problems.

MR. MUNZ

Special work, largely individual, and primarily for majors in the department. Each semester. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. Laboratory fee, \$2.00 per unit of credit.

ZOOLOGY

B3b. Physiology.

MR. GILCHRIST

the functions of animals, with special reference to the human body. Prerequisite: Biology A1. Class periods, *MF*, *I*; laboratory, *Th* 1:15-4:10. Laboratory fee, \$6.00 each semester.

Human Anatomy.

MR. GILCHRIST

course designed to meet the requirements of majors in physical education. Prerequisite: Biology A1 and Zoology B3. First semester. Class, *W*, *I*; laboratory, *MW*, 1:15-4:10. Laboratory fee, \$6.00.

Comparative Anatomy.

MR. GILCHRIST

study of the structure of vertebrates. Prerequisite: Biology A1. First semester, Four units. Class, *TTh*, *II*; laboratory, *T*, 5-4:10 and three hours to be arranged. Laboratory fee, \$8.00.

Embryology.

MR. GILCHRIST

study of early development and the formation of organs, with special reference to vertebrates. Prerequisite: Biology B2a. Second semester, Four units. Class, *TTh*, *II*; laboratory, *T*, 5-4:10 and three hours to be arranged. Laboratory fee, \$8.00.

Entomology.

MR. HILTON

general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Biology B2. Second semester. Class, *T*, *VI*; laboratory, *A*. Laboratory fee, \$6.00.

Functional Zoology.

MR. GILCHRIST

study of Zoology as an experimental science in its analysis of heredity, development, regeneration, animal behavior, and evolution. Prerequisite: Biology A1. Second semester. *VII*.

Histology.

MR. HILTON

microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology B3 or Biology B2. First semester. Class, *T*, *IV*.

COURSES OF INSTRUCTION

Laboratory by appointment. One class, two laboratory periods.
Laboratory fee, \$8.00.

D114. Neurology.

MR. HILTON

A general consideration of the structure and functions of the nervous system and sense organs chiefly of vertebrates. Prerequisite: Zoology D113. Second semester. Class T, IV. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$6.00.

D131. Zoological Literature.

MR. HILTON

Reviews of important contributions in all fields of recent zoological literature. Open to Juniors and Seniors. Second semester. May be repeated for credit. 1 unit. F, I.

D135. Zoological Problems.

MR. HILTON and MR. GILSON

This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Botany or Embryology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Either semester. 2 to 3 units. May be repeated for credit. Laboratory fee, \$2.00 per unit.

CHEMISTRY

The two introductory courses, A1 and B3, cannot both be taken for credit. Students who wish to get a "working knowledge" of chemistry, as a part of their training in some field of science, should register for the B3 course. The A1 course is intended primarily for those whose major interest is not scientific.

A1a, A1b. A Survey of Chemical Science.

MR. ROBINSON

Presents our present-day concepts of the nature of matter, its behavior, the origin of these concepts, and the place of chemistry in human affairs. No laboratory is required. Chemistry B2 may be elected to accompany this course. Fee, \$2.00 each semester to defray expenses of lecture demonstrations.

B2a, B2b. Experimental Inorganic Chemistry.

MR. ROBINSON

To accompany or to follow Chemistry A1. Laboratory similar to that of B3, with assigned problems and studies. This course, with A1, may serve in place of B3 as preparation for advanced courses. Each semester, one unit. Laboratory, 4:10. Laboratory fee, \$6.00 each semester.

B3a-B3b. Inorganic and Elementary Theoretical Chemistry.

MR. ROBINSON and MR. GILSON

A foundation course for those who are planning further study in chemistry.

chemistry or other scientific fields. Those who have not had previous chemistry should consult the instructors before registering. 4 units. Class, *IV*; laboratory, *T, W or Th, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

B6b. Analytical Chemistry.

MR. LEIGHTON

Studies in the principles of chemical behavior and in stoichiometric problems. Laboratory practice in systematic qualitative analysis of anions and cations, and in the simpler volumetric and gravimetric methods of analysis. Prerequisite: Chemistry B3 or A1 and B2. Class, *S, II*; laboratory, *WF, 1:15-4:10*. Laboratory fee, \$10.00 each semester.

C110b. Organic Chemistry. MR. ROBINSON and MISS OTIS
Survey of the principal classes of carbon compounds and their characteristics, studies in synthetic methods and problems of structure and applied organic chemistry. Prerequisite: Chemistry B3, or A1 and B2. 4 units. Class, *VII*; laboratory, *T or W, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

Advanced Quantitative Analysis.

MR. LEIGHTON

Continuation of B6, designed to give the student a more comprehensive knowledge of the theory and practice of volumetric and gravimetric analysis. First semester. Class, *F, V*; laboratory, *WF, 1:15-4:10*. Laboratory fee, \$10.00.

C114b. Nutrition and Foods.

MISS OTIS

Survey of the methods used and the results obtained in investigations of dietetic requirements, and of the nutritive value of foods. No prerequisites. There will be no formal laboratory periods, but students will undertake projects of fact-finding or experimental character. Demonstration fee, \$1.00 each semester. 2 units. *TTh, II*.

D115b. Biological Chemistry.

MISS OTIS

Lectures and reports, and qualitative and quantitative experiments on the chemistry of materials and life-processes of organisms. The fundamental principles of human nutrition are covered. Prerequisite: Chemistry B6 and C110, or consent of instructor. Class, *WF, III*; laboratory, *F, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

D119b. Physical Chemistry.

MR. LEIGHTON

General review of the fundamental physico-chemical concepts and principles, with numerous illustrative problems, and laboratory practice in physico-chemical measurements. Prerequisite: In the first semester, a C course in either chemistry or physics; in the second semester, differential and integral calculus are also required. Class, *MW, I*; laboratory, *M, 1:15-4:10*. Laboratory fee, \$8.00 each semester.

D121a, D121b. Chemistry Conference.

Oral or written reports by students, on material found in recent chemical literature; discussions of research method, trend of present-day research, and recent developments in theoretical and applied chemistry. Each semester. One unit. May be repeated for credit.

D151a, D151b. Methods in Chemistry.

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in analytical methods, physical chemistry, organic synthesis, biological chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of the course, and written reports are required. Prerequisites: Chemistry B6, C110 and consent of instructor. 2 or 3 units. One semester. May be repeated for credit. Locker fee, \$3.00; deposit of \$15.00 to cover breakage and supplies used.

D201a, D201b. Research in Chemistry.

Senior students registered in honors, or other senior exceptional initiative, may undertake the investigation of a project suited to their experience, in physical, analytical, or biological chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. 4 units. A. Each semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used.

CLASSICS**GREEK****B1a-B1b. Elementary.**

First lessons; relation to modern Greek and to English literature; scientific vocabulary; selected short passages from Greek literature. I. Book I of Homer's *Illiad*. II. (*Omitted in 1934-1935*).

C101a, C101b. Selections from Greek Literature.

Two sequences of readings are offered in alternate years. I. Herodotus, Plato, Homer, Greek comedy and tragedy. II. The New Testament. Studies in morphology and syntax are required. The course may be repeated for credit in successive years. IX.

LATIN**A1a-A1b. Elementary.**

An introductory course in the rudiments of the Latin language with emphasis upon the relation of Latin to English and other Romanic languages. VII. (*Omitted in 1934-1935*).

b. Cicero, Pliny and Horace.

MR. ROBBINS

ro, De Senectute; Pliny, Selected Letters; study of the and times of the late Roman republic and early empire. ace, Odes and Epodes; philosophy, history and mythology reflected in the poems of Horace; study of the metrics of ace and the influence of the Greek lyric poets. *IV*.

C105b. Composition.

MR. ROBBINS

ew of Latin grammar; translation of sentences and condensed discourse into Latin according to the needs of the class; res on word-formation and syntax. This course may be elected with credit and is required of students majoring in a. *A*. One unit.

C106b. Masterpieces of Greek and Roman Literatures Translation.

MR. ROBBINS

ensive readings in the literatures of Greece and Rome through the medium of English translation as a basis for the of classical civilization and culture. No knowledge of and Greek languages is required. *II*.

C107b. Roman Comedy and Elegy.

MR. ROBBINS

ted plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, us, Propertius and Ovid. *I*. (*Omitted in 1934-1935*).

D109b. Roman History and Biography.

MR. ROBBINS

sequences of readings are offered in alternate years: a, n philosophy, satire, and pastoral poetry; b, Roman historical and political antiquities. The course may be repeated for in successive years. In 1934-1935, sequence b. *XIII*.

ECONOMICS

p. Accounting.

MR. NESS

dy in theory and method, developing from the balance the fundamental principles underlying alike the construction and interpretation of financial records. *MF, VII, and T* or *15-4:05*.

b. Principles of Economics.

MR. DUNCAN

asic course in the general principles of Economics. Required for students expecting to emphasize the study of Economics, and prerequisite for upper division courses in Economics A5 not prerequisite for Economics B11. Two s. *I, III*.

Money and Banking.

MR. NESS

les of money, credit, and banking interpreted in the light of institutions and financial organization designed to supply with adequate media of exchange. First semester. *VI*.

C106. Public Finance.

MR. D

Public expenditures, public revenues, public debt, and administration, with special attention to the theory and of taxation. Second semester. *IV.*

C107. Agricultural Economics.

MR. I

A study of the application of economic principles to problems of agriculture, such as land tenure, transport marketing and prices. First semester, *III.*

C109. Economics of Transportation Problems.

M

An historical and analytical study of transportation problems and problems, with particular reference to railway transportation in the United States. First semester. *V.*

C110. Corporation Finance.

MR. I

Principles underlying the promotion, financial structure, control, failure and reorganization of corporate enterprise, and some study of cooperative organizations. Prerequisite: Economics A5, or equivalent training in Accounting. First semester. *IV.*

C120. Public Utility Economics.

I

An historical and analytical study of public utility problems in the United States. Particular emphasis is laid upon economics of overhead costs, the role of competition, and valuation. Second semester. *VI.* Offered in alternate years. (*Omitted in 1934-1935.*)

D115. Principles of International Trade.

Principles and structure underlying international economic relations. Prerequisite: Economics C105. Second semester.

D117. Economic Problems of the Orient.

MR.

A study of the economic, social and political problems of the Far East with special reference to current conditions. Enrolment restricted to those expecting to concentrate in Economics and to others by special consent of instructor. Second semester. *VII.*

D119. Monopolies and Trusts.

MR

A study of the economic principles and the legal aspects of monopolies. Second semester. *III.*

D252. Economic Theory.

MR

The special topics studied vary from year to year, and include critical analysis of underlying economic theory and its development. The course aims to synthesize the student's knowledge of Economics and culminates in the comprehensive examination required for those whose field of intensive study is Economics. Second semester. 3 units. *A.*

EDUCATION

Introduction to Education.

MR. DOUGLASS

Course designed for those who desire an understanding of the American school system. The outstanding problems of present education are examined and certain approaches to a solution of these problems are discussed. This course or equivalent prerequisite for Education C104, D215. First semester, *I*. Second semester, *IV*.

C104b. History of Education.

MR. NICHOLL

development of educational theory and practice from the early period to the present, with an attempt during the second semester to make a comparison of the established systems in America and typical European countries. *VII*.

Practice Teaching in Music.

Engages in actual teaching under direction, regular conferences with the supervisor being a feature of the work. The course is restricted to those completing credential requirements during the first year. 4 units. Each semester. *A*.

Principles of Secondary Education.

MR. DOUGLASS

Factors and principles which underlie the theory and practice of secondary education, including the junior high school, senior high school and the junior college. Second semester.

ENGLISH

Reading and Speech are emphasized features of all Lower Division courses. Persons who plan to concentrate in English must complete Reading List I before the beginning of the first year.

English: An Introductory Course.

THE DEPARTMENTAL STAFF

Fundamental principles of literary criticism and interpretation together with reading and study of specimens of the more important literary types; instruction and practice in writing and speech. 4 units. Prerequisite for all other departmental courses. Men: *WF, I*; section meetings at *II*. Women: *TTh*, section meetings at *I*.

B3. Shakespeare.

MR. FRAM

A general course, including a consideration of Shakespeare's life and the conditions under which he lived and wrote, together with a study of the greater plays. First semester. *IV.*

B5a, B5b. Nineteenth Century Literature.

MR. HO

Wide reading in the literature of the period, in poetry and essays especially, with lectures on its significance as a reflection and interpretation of general English life. Upper Division Students may register for the course only on the written recommendation of the instructor. *III.*

B9. Types of Prose Fiction.

MR.

A general survey of important works in prose fiction with emphasis upon the development and recurrence of significant types within the type, such as tale, romance, novel. Second semester. *IV.*

B11. Character Presentation in Dramatic Literature.

MISS PRINCE

The theory and technique of character presentation as found in selected plays. The course looks toward character interpretation through the actor's art. Permission of the instructor must be secured before registration for this course. Each semester. *II.*

B15a, B15b. American Literature.

MR. LI

The literature of the United States, with emphasis on the expression of our national characteristics and sentiment. Offered to men and women in alternation; in 1934-1935 registration is limited to women. *VI.*

B21a, B21b. English Composition.

MR. HOWARD and MR. FRA

The fundamentals of effective expression in writing, with opportunity for practice in such special forms as the short story and the essay. *V.*

ADVANCED COURSES

A substantial acquaintance with the books of Reading List is most desirable as a preliminary to registration in the Division courses.

C101a, C101b. The Renaissance in England—from Chaucer to Milton.

MR. LINCOLN and MR. STRAT

The first half of the course will be devoted to Chaucer and his contemporaries and his imitators; the second, to the late

matic writers of the Renaissance movement in England, Chaucer, Bacon and Milton being main figures. *IV*.

, C103b. Literature of the Eighteenth Century.

MR. MC CULLEY

neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginnings of the English novel; the spread of the romantic movement in England and on the Continent. 3 or 4 units. *III and A*.

Contemporary Poetry.

MR. LINCOLN

course in the forms and content of contemporary poetry with frequent practice in the writing of verse. Second semester. *V*.

The Short Story.

MR. FRAMPTON

practice in supervised writing of short-stories. Study of significant short-stories. First semester. *V*.

C117b. History of English Drama to 1642.

MR. FRAMPTON

lectures and readings tracing the historical development of English drama from its beginning to its flowering in the work of Shakespeare and his contemporaries; thence through its decline to the closing of the theatres. *VII*.

D121b. Creative Writing.

MR. LINCOLN and MR. FRAMPTON

revised practice in all forms of creative writing. Study of various forms and fields of literary interest. *T, X and XII, and F, IX*.

Literary Criticism.

MR. FRAMPTON

examination of the bases of literary criticism; studies of leading modern critics; frequent practice in supervised critical writing. First semester. *I*.

D201b. The Great Victorians and their Successors.

MR. MC CULLEY and MR. HOWARD

First semester: The England of 1832-1882 studied in comparison with contemporary America and continental Europe; the Victorian spirit and point of view as expressed by its "major writers"; the reactions that heralded the present-day temper and outlook. Second semester: A continuation of the comparative study, the main emphasis falling, however, on recent English developments. *V*.

D205. Shakespeare.

MR. MC C

A study in detail of a number of the greater plays. S
semester. *IV*.

D207a, D207b. The English Language.

MR. STRATH

Old English grammar with selected readings, followed
second semester by a study of the language in its later
opments with a view to an understanding of present-day E
usage. *VI*.

D215a, D215b. The Development of English Literature.

THE DEPARTMENTAL

Lectures, reading, papers and oral reports directed to
synthesis on the student's part of his work in the field of
ture and allied subjects; the course culminates in the c
hensive final examination required of candidates for hon
English Literature. Registration for the second semester is
tioned upon a grade of B or better in the first. *M, XI, a*
XI and XIII.

FRENCH

See Romance Languages and Literatures.

GEOGRAPHY

Courses in this field are available at Scripps College.

GEOLOGY

B1a, B1b. Introductory Geology.

MR. HARRISS and MR. WO

Dynamic, structural and historical geology. Prerequisite:
school chemistry or equivalent. Class, two hours a week;
tory or field work, one period a week. Class, *WF, I*;
tory, *W* or *Th*, 1:15-4:15. Laboratory fee, \$3.00 each s

B3. Determinative Mineralogy.

MR.

Prerequisite: High school chemistry or equivalent
semester. Two laboratory periods. 2 units. *A*. La
fee, \$4.00.

C105. Crystallography.

MR.

Must be preceded or accompanied by Geology B3, unl
upon the written recommendation of the Department c
istry or of Physics. First semester, 2 units. *WF, V*.

C110. Petrology.

MR. W

The study of rocks without the microscope. Pre
Geology B1a, B3 and C105. Second semester. One
two laboratory periods. *A*. Laboratory fee, \$4.00.

C107b. Invertebrate Paleontology. MR. WOODFORD
 prerequisite: Geology B1b; recommended preparation: Biology
 A. Two class and one laboratory periods, first semester; one
 class and two laboratory periods, second semester. *A.* Labora-
 tory fee, \$6.00 each semester. Given alternate years. (*Omitted*
1934-1935).

Field Geology. MR. WOODFORD
 prerequisite: Geology B1b, C110. A summer course of three or
 four weeks. 3 or 6 units. *A.*

D112. Petrography. MR. WOODFORD
 reflection and double refraction; the optical indicatrix; study
 of minerals and rocks with the petrographic microscope. Pre-
 requisite: Geology C105. Two class and one laboratory periods,
 first semester; one class and two laboratory periods, second
 semester. *A.* Laboratory fee, \$5.00 first semester; \$8.00 second
 semester. Given alternate years.

D231. Geological Investigation and Research.
 MR. WOODFORD
 6 units. *A.* Laboratory fee, \$4.00 each semester.

GERMAN

1b. Elementary German. MISS WAGNER
 acquirement of a small working vocabulary. Constant ear-
 ning, and as much practice in speaking as time permits.
 Exercises in reading and writing. The essentials of gram-
 mar. Etymology. Comment on German life and literature.
IV.

Elementary and Advanced German. MISS WAGNER
 2 years of German in one year. 6 units. *V, VI.*

5. Advanced German. MR. BAUMANN
 advanced German language study through intensive read-
 ing and discussion of selected German works, with considerably
 increased reading in the field of the student's individual interest.
 Continued practice in German conversation. Some attention to
 understanding of the cultural life of Germany, Austria and
 Switzerland. Prerequisite: German A1 or an equivalent. *V, VI.*

C109b. German Literature of the Nineteenth Century.
 MR. BAUMANN
 special reference to the cultural, economic and political his-
 tory of Germany. Discussion and papers. Prerequisite: German
 A1 or equivalent. *IV.* (*Omitted in 1934-1935*).

C113a, C113b. German Classics of the Eighteenth Century

MR. BAUMANN and MISS WA

A study of the outstanding works and personalities of the with particular attention to the social and political life of many. The fourth hour emphasizes conversation and diction, using scientific material as well as every day language. 4 units. *IV* and *A*.

D118a, D118b. Modern German Literature.

MR. BAU

The development of German Literature from 1880 to the present with reference to the political and social changes during this period. *I*.

HISTORY

A1a-A1b. The Development of Western Civilization.

MR. PITMAN and MR.

The evolution of civilization in Europe from antiquity to the present, and its spread throughout the world. Attention to the political, religious, intellectual, and economic factors of change. The aim is to lay a foundation for the understanding of contemporary problems. This course or its equivalent is normally a prerequisite for advanced courses in history. *III, VI*.

B9a, B9b. North America since 1763.

MR. COOKE and MR.

The development of political, economic and social life in the United States, with attention to such agrarian, industrial, and political forces as have transcended national boundaries.

C102. Economic History of Europe.

An historical study of economic life in Europe, with special emphasis upon the concept of an economy and the rise of modern economic institutions as private property and the profit motive, the machine technique, etc. Second semester. *V*.

C107a-C107b. English History.

MR.

The development of the main features of civilization in England and the British Empire. Emphasis is laid upon the evolution of religious, intellectual, and economic forms as well as the development of political institutions. Thus the course is largely a study of the cultural heritage of America. First semester, Great Britain 1660; second semester, Great Britain and the Empire since 1660. *VII*.

a, C117b. The History of the Greeks and Romans.

MR. ROBBINS

ecian civilization from its establishment until the Roman conquest, followed by a study of Rome from the founding of the Eternal City until the reign of Justinian. Emphasis is placed upon civilization and literature of the Greeks and Romans. *V*.

The Spanish Southwest.

MISS NELSON

e exploration and colonization of the Spanish Southwest; the development of its institutions; its conquest by the Anglo-Spaniards; and its subsequent development as a part of the United States. The course will make use of the Mason Library of California and Western American History. Second semester. *XI*.

. Modern European History.

MR. COOKE

Following an introductory survey of the forces operating in the society of the eighteenth century a study is made of the French Revolution and the Napoleonic period. The development of European nations is traced in its political and cultural aspects to 1878. First semester. *VII*.

a. Reading in Modern European History

MR. COOKE

Reading in contemporary European biography for honor students and majors in social science to accompany the curricular work in History C113a. List of suggested books available upon request. Weekly conferences. First semester. 3 units.

American Diplomatic History.

MR. COOKE

development of American foreign policy as revealed in the relations of the United States with European, Asiatic and other American nations, with emphasis upon recent times. Second semester. *I*. (*Omitted in 1934-1935*).

. Reading in American Diplomatic History.

MR. COOKE

Reading in American foreign relations for honor students and majors to accompany the curricular work in History D119. List of suggested books available upon request. Weekly conferences. Second semester. 3 units. (*Omitted in 1934-1935*).

Economic and Social History of the United States.

MR. PITMAN

Study of agrarian, commercial, and industrial conditions which have helped determine the character and importance of the American political and social problems of American colonial and national history. Attention is given to the economic foundations of American imperialism. Lectures, investigation of topics, and discussions. First semester, *T*, *XII* and *XIV*; *Th*, 4-5.

RD125. Reading in Economic and Social History of the States. MR. P

A course of reading for honors students concentrating in to accompany History D125. List of readings obtainable quest. Weekly conferences. First semester. 3 units.

D132. Development of Social Classes in the United States. MR. V

A study of the social and economic forces in America which have brought about the dominance of various classes at different periods in the history of the nation consideration of the evolution of the United States nation dominated by the presence of a frontier of free a nation laboring with the complexities of a highly industrialized civilization. Second semester. *T, XII; Th, 4-6.*

ITALIAN

See Romance Language and Literature.

MATHEMATICS

A1a, A1b. Introduction to College Mathematics.

DEPARTMENTAL

The objective of this course is to prepare students for calculus the following year. The subject matter covered particular students will be adjusted to meet their needs dictated by their previous preparation. Prerequisite to work in the department, except Math. B29. To be offered periods and in as many sections in each period as the regulations calls for. *IV and V.*

B29. Statistical Methods. MR.

Graphs, averages, frequency distribution, probability, correlation. Second semester. *MW, III; laboratory, F, 1:15-4:10.* Laboratory fee \$1.00.

SB11. Surveying. MR.

Use and adjustment of surveying instruments. Methods of leveling and mapping surveys for various purposes. Given in summer session at the Bluff Lake Camp of Pomona College. Prerequisite: Plane trigonometry. 6 units.

B15a-B15b. Differential and Integral Calculus.

MR. TAYLOR and MR.

A continuation of Mathematics A1. *III and IV.*

C119a, C119b. Higher Algebra and Theory of Equations. MR.

Theory and solution of higher algebraic equations and advanced topics in algebra. *VI.*

D120b. Differential Equations. MR. JAEGER
 General course in the theory and solution of differential equations. I.

D121b. Advanced Calculus. MR. TAYLOR
 The subjects studied are partial differentiation, elliptic integrals, line, surface, and volume integrals, Green's Theorem, Stokes' Theorem. A.

D230b. Selected Topics in Higher Mathematics.
 MR. JAEGER and MR. TAYLOR
 From time to time work in complex variables, projective geometry, differential geometry and number theory will be given as demand requires. 1 to 3 units. A. (*Omitted in 1934-1935*).

GRAPHICS

A7b. Engineering Drawing. MR. TAYLOR
 Beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. 1 or 2 units. TTh or F. 1:15-4:10. Laboratory fee, \$2.00 per unit.

A8b. Engineering Drawing. MR. TAYLOR
 More advanced course in mechanical drawing and descriptive geometry. Treats of orthographic and perspective projections, line and structural details. Prerequisite: Mathematics A7 or equivalent. 1 or 2 units. TTh or F. 1:15-4:10. Laboratory fee, \$2.00 per unit.

C112b. Engineering Drawing. MR. TAYLOR
 Design of cams, gears, machine parts and simple trusses. 2 units. TTh or F. 1:15-4:10. Laboratory fee, \$2.00 per unit.

MILITARY SCIENCE

The College maintains an Infantry Unit, Senior Division, of the Officers' Training Corps, established under the National Act for the general purpose of qualifying students for the development of leadership in time of National emergency. The course of classroom instruction covering the basic technical knowledge required for appointment as Commissioned Officers of the United States Army and military drills designed to improve the physical and physical coordination of the student. Special emphasis is placed upon the development of qualities of leadership, and the training required by the student and his practical experience in the art of command and may be applied in many walks of life. Students who successfully complete the four years course will be tendered commissions as second lieutenants in the Officers' Reserve Corps.

The instructors in the department are Officers of the Regular Army detailed for duty at the college by the War Department. The equipment provided includes a set of instruments for a 28 band and an ample supply of weapons including rifles, automatic rifles, machine guns, a one-pounder gun and Stokes mortar, all of which are available for the use of students without cost. Ammunitions of ammunition for target practice are also furnished without charge.

Students who have received training in a Junior R.O.T.C. may be given advanced standing on the basis of two years Junior R.O.T.C. for one year Senior R.O.T.C. up to the limit of 1½ Senior unit training. Application for Advanced Standing must be made when registering and must be accompanied by a recommendation from the Professor of Military Science and Tactics at the school which the student attended.

The four year course is divided into the basic course, consisting of the first two years, and the Advanced course consisting of the work of the third and fourth years. Enrollment in either course is voluntary but, when a student has elected either the basic course or the advanced course, completion of the course elected becomes a prerequisite for graduation.

The basic course is open to all physically fit male students who are American citizens. Enrollment does not involve any obligation for Military service nor does it interfere with the participation in sports by the student. Uniforms for the basic course are furnished without charge to the student except in cases of loss of, or damage to the articles so issued due to negligence on the part of the student.

Enrollment in the Advanced Course is limited to selected students who have completed the basic course or its equivalent and who enter into an agreement to attend one summer instruction camp for a period of six weeks. Attendance at this camp is expected during the summer between the Junior and Senior years. In consideration of this agreement students receive, from the government, allowances equivalent to a scholarship of about \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from camp, are provided by the government.

A1a-A1b. First Year Basic Course.

MAJOR SMITH

National Defense Act and the R.O.T.C.; military court-martial discipline; military hygiene and first aid; map reading; marksmanship; close and extended order drill and ceremonies. 1½ units. 2 sections. Class *M I* and *III*. Drill, *M. 1:15-3:05*.

B3a-B3b. Second Year Basic Course.

CAPTAIN CHAMBERLAIN

Automatic rifle; musketry; scouting and patrolling; combat principles of the rifle squad; drill and command. 1½ units. Class *S VI* or *F IX*. Drill *M. 1:15-3:05*.

-C105b. First Year, Advanced Course.

CAPTAIN CHAMNESS

military engineering and camouflage; interpretation of aerial topographs; machine guns; 37 m/m gun and trench mortar; bat principles of the rifle section and platoon; automatic pl; drill and command. 3½ units. Class *III* or *VII*. Drill *M*. 5-3:05.

-D107b. Second Year Advanced Course. MAJOR SIMPSON

entry weapons; tanks; military law; officers reserve corps citations; military history; military policy of the United States; military correspondence; military administration; combat principles of the rifle and machine gun companies and inter platoon; drill and command to qualify the student to perform the duties of platoon, company and battalion command. 3½ units. 2 sections *II* or *IV*. Drill *M*. 1:15-3:05.

MUSIC**THEORY AND APPRECIATION****1b. Elementary Harmony.**

MR. ALLEN

study of intervals, scales, tonal magnetism, primary triads, dominant seventh and ninth chords, and all non-chordal tones. Harmonization of melodies. Prerequisite: Elementary knowledge of the pianoforte. *III*.

2b. Sight Singing and Notation.

MR. CLOKEY

historical approach to modern notation. Modes, neumes, plain notation. Followed by modern notation. Sight reading, dictation, discriminative listening. Two periods per week. One *V*, *MW*.

3b. Appreciation of Music.

MR. SUTHERLAND

course designed to stimulate the enjoyment of music by means of the development of intelligent listening; planned to give a general idea of the elements, structural principals, and aesthetic content of music. Not designed for students majoring in music. 2 *MW*, *XI*.

4b. History of Music.

MR. SUTHERLAND

general survey of the history of occidental music from the beginning of the Christian era. Prerequisite: Music A1. 2 units. *IV*.

5b. Advanced Harmony.

MR. ALLEN

advanced harmonies. Modulation and chromatically altered chords. Extensive keyboard drill. Creative work is encouraged from the beginning. Harmonization conducted on a public basis. Prerequisite: Music A1 or equivalent. *VII*.

B6a-B6b. Advanced Dictation.

MR. A

A continuation of A2a-A2b, employing triads, seventh chords, modulation. Dictation in two, three, and four part harmony be taken simultaneously with B5 by music majors. Prerequisite: A2. *MF, IX. 2 units.*

C107a-C107b. Counterpoint.

MR. A

A study of Simple Counterpoint in the five species with aim to develop technique in voice leading. Two and three inventions. Creative work in various contrapuntal forms, a Invention and the Suite, will be undertaken during the course. Prerequisite: Music B5. *VI.*

C109. Form and Analysis.

MR. SUTHER

Designed to lead to a clear understanding of the principles which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music B5. 2 units. First semester. *TTh, II.*

C110a-C110b. Church Music.

MR. CL

The ancient forms of worship, with their traditional music, be studied. The liturgies considered will be the Roman, Lutheran and Anglican. The music will be mainly plainsong and homophonic. Should be of interest to students of History and Religion as well as musicians. Two periods per week. One semester. *XII.*

C113a-C113b. Orchestration and Instrumentation.

MR.

A study of the instruments of the modern orchestra; their history, technical limitations and use in various groups; analysis of scores and the technique of scoring; the theory and practice of conducting. This course is especially designed to meet the needs of a student desiring the state certificate. Prerequisite: Music B5. *I.*

D108a-D108b. Free Composition.

MR. A

Advanced original work in the shorter free styles. Textbook: Schiis "Homophonic Forms." Prerequisite: Music C107. *A.*

D219. Public School Music Methods.

MR. COL

Selection, presentation and interpretation of the song. Methods of developing sight-singing and other technical problems. A brief study of child psychology. Teaching plans with a bibliography of material. First semester. 2 units. *A.*

APPLIED MUSIC**I. Class Instruction (No special fees).****B7a, B7b. Choral Singing.**

MR. I

The study and production of choral music, especial attention given to diction, phrasing, content of the works dealt with.

an understanding of musicianship as applied to choral singing. The Class will be organized as the College Choir and as such will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays and Thursdays from 10:30 to 12:20. 1 unit. The course may be repeated for credit.

9b. Ensemble Playing.

MR. GRAY

principles of ensemble playing approached through practice, with emphasis on accuracy in technic, intonation, rhythm and quality; practice in conducting from complete and condensed conductor's scores. Three hours of attendance weekly; 1 hour credit. The course may be repeated for credit. A.

Individual Instruction (Special fees charged).

A student in applied music under individual instruction will be allowed for credit toward the Bachelor of Arts degree only upon the written recommendation of the Chairman of an Examination Committee and the Head of the Department, and upon the subsequent favorable action of the Classification Committee. This recommendation is based upon the degree of ability and advancement shown in Proficiency Tests. In addition the work in applied music must be accompanied or preceded by A1 or A2. A second hour of credit is possible when the applied course is accompanied or preceded by B5 or B6. A minimum of two half-hour sessions weekly is required for which two hours' credit is allowed. No college credit is given for work below "B" (Sophomore) grade. Any Freshmen are able to pass the prerequisite tests allowing them to take "B" grade work, students of all classes are advised to consult with the Head of the Department regarding eligibility for individual instruction. Not more than 12 hours' credit in applied music may be allowed toward the Bachelor of Arts degree unless the student is able to present a total of 8 hours of "D" (Senior) grade work in applied music. In this case 16 hours' credit may be allowed. Prerequisite tests are required only of students desiring credit toward the Bachelor of Arts degree.

MR. LYMAN, MISS STEVENSON

MR. CLOKEY

MR. OLIVE, MR. SUTHERLAND

MR. UNIACKE

Individual Instruction on Orchestral Instruments

MR. GRAY

Individual lessons on other instruments may be arranged for privately through the office of the Music Department.

Group Instruction (Special fees charged).

Lessons for beginning students are offered at special rates, with instruction of four persons being set as the class minimum. For this work no collegiate credit is given. Each class meets once a week for an hour.

PHILOSOPHY

B21. Introduction to Logic.

MR. IRE

A study of the elements of deductive and inductive reasoning with special emphasis upon the problems of definition, the and use of scientific hypotheses, probability, and deductive inductive fallacies. Both semesters. *I*.

B23. Ethics.

MR. DEN

A study of the nature of morality, the problem of human nature, the standard of judgment of right and wrong and of and individual judgments on moral questions. An examination of conscience and reason and a consideration of specific problems are included in 1934-35. First semester. *V*.

C125a, C125b. History of Philosophy.

MR. IRE

A study of the main currents of thought from the earliest thinkers through modern philosophic thought. The course is designed to be a general and cultural introduction to philosophy through history. *VI*.

C127. Introduction to Philosophy.

MR. IR

An introductory consideration of the meaning and methods of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology and a review of some of the main philosophic estimates of the world. Second semester. *V*.

C133. Philosophy of Evolution.

MR. DE

A study of the nature of the evolutionary process, with particular attention to Darwin's idea of evolution, and later theories, including scientific and metaphysical aspects, such as mechanism, teleology, creative evolution, and the place of man and value in the world. In 1935 this course will include a brief inquiry into the philosophy of science. Second semester. *IV*.

D122. Contemporary Philosophy.

MR. IR

A study of contemporary philosophic thought through the work of the main modern thinkers with special reference to the dominant ideas of the civilization of today. First semester. Prerequisite, any C or D course in philosophy.

D132. Philosophy of State and Law.

MR. D

A philosophical study of the nature and function of the state and its basis in human nature, together with an examination of the philosophies of democracy, of the economic order, of internationalism and of law. Background in Social Psychology, Political Science and permission of instructor required. First semester. *A*.

PHYSICAL EDUCATION

Students who wish to prepare to teach physical education in the schools may qualify for the general credential with a major in physical education by completing a program of courses in Pomona College, followed by a year of graduate work in Claremont Colleges.

MEN AND WOMEN

Each student may count toward graduation not more than one semester in "sports" and "activities" during his Lower Division years, and not more than one-half-hour per semester during Upper Division years.

Community Health.

MISS WALKER

Brief survey of the field of public health in the United States. Environmental and other contributory causes of disease; conservation of child life. Modern scientific hygiene and the correlation of the total health teaching program. Second semester. 2 units. *TTh, IV.*

Community Recreation.

MR. HEATH

Study of the organization of the school and the public playground, the types of leadership, and types of games best suited to various age periods. Discussion of the technique of organizing the recreation center and community organization leadership. Second semester. 2 units. *WF, IX.*

Nature and Function of Play.

MISS WALKER

Biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out moral values, attitudes and judgments. First semester. 2 units. *A.*

Kinesiology.

MISS RENSHAW

Analysis of joint and muscular mechanisms, and their relation to problems of bodily development and efficiency. Prerequisite: Anatomy. Second semester, *III.*

Physical Deviations.

Study of the causes, prevention, and correction of physical deviations. Laboratory work includes methods of examination, prescription of exercises, and massage. Prerequisite: C130. First semester *MW, I;* and laboratory *A.*

Principles of Physical Education.

MR. NIXON

Designed for Seniors preparing to teach Physical Education. First semester. *VII.*

MEN

Students are assigned to courses in sports, gymnastics, or activities according to their needs as determined by medical physical examinations and tests. Complete freedom in the of activities is permitted only to men who maintain acceptable ards in health, physical development, and physical efficiency. A the minimum requirements of the Department are good po ability to swim, elementary skill in self defense or gymnastics, efficiency in fundamental activities, reasonable skill in at least individual sport and in one team game.

The College program of intercollegiate athletics is an in part of the program of Physical Education, and is conducted educational basis. No student is permitted to participate more strenuous forms of competition without a certificate from College Physician indicating that the individual is physically such participation.

A1a-A1b. Sports or Gymnastics.

THE

Required, Freshman year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

A2a-A2b. Gymnastic Exercises.

MR. ST

Required of Freshmen not taking military. $\frac{1}{2}$ unit. *A*.

A5. Hygiene.

MR

Elective either semester. 2 units. *TTh, VI*.

B3a-B3b. Sports or Gymnastics.

THE

Required, Sophomore year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

B4a-B4b. Sports.

THE

Required of Sophomores not taking military. Sophomore $\frac{1}{2}$ unit. *A*.

C105a-C105b. Sports.

THE

Required, Junior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

C107a-C107b. Sports.

THE

Required, Senior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

D219a-D219b. Technique of Teaching Physical Education

Activities. MR. HEATH, MR. STREHLE and MR. M

This course is devoted mainly to methods in teaching and vising athletics. 2 units. *A*.

WOMEN

A medical and physical examination is given all enter dents with subsequent posture tests. Physical activities are or prescribed as the result of these examinations. Particip A11 is required for one semester in the Freshman year. S may have freedom of election in other activities in so far as and physical examinations warrant, but must include du

an and Sophomore years one individual sport, one team sport and one semester of either tap, folk, or natural dancing.

ACTIVITY

units of Physical Education Activities are required for ion. One-half unit is credited for All, Fundamentals, a course organized in such a fashion as to include the basic entals of physical activity. The remaining $5\frac{1}{2}$ units may be y participation in any of the following activities.

Individual Sports	Team Sports	Dancing	Gymnastics
Swimming	Basketball	Folk	Danish
Baseball	Baseball	Natural	Individual
Hockey	Hockey	Tap	
Speedball	Speedball		
Volley Ball	Volley Ball		

se in Recreational Games including:

Croquet	Shuffle Board
Horseshoes	Tenniquoits
Paddle Tennis	Tether Ball
Ping Pong	

ndamentals.

red, Freshman year. $\frac{1}{2}$ unit, either semester. **THE STAFF**

12b. Sports and Dancing. **A.**

THE STAFF

red, Freshman year. $\frac{1}{2}$ to 1 unit. **A.**

13b. Fundamentals.

THE STAFF

red, Sophomore year, 1 unit. **A.**

115b. Sports and Dancing.

THE STAFF

red, Junior year. $\frac{1}{2}$ unit. **A.**

117b. Sports and Dancing.

THE STAFF

red, Senior year. $\frac{1}{2}$ unit. **A.**

THEORY

giene.

. Each semester. *TTh, VI.*

MRS. CAWSEY

119b. Methods in Coaching and Supervising

Sports.

MISS RENSHAW

A.

PHYSICS

. Introduction to Physical Science.

MR. TILESTON and MR. HAUPT

mathematical course intended for those who wish to ob-
knowledge of the fundamental facts, theories and appli-

cations of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the electron structure of matter. *V*. \$5.00 each semester.

B2a-B2b. General Physics

MR. TILE

A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. *I*.

B4a-B4b. Physical Measurements. MR. TILESTON and ASSISTANT

Quantitative laboratory work in the subjects indicated in B2a-B2b. Must accompany B2a-B2b. *W* and *Th*, 1:10 to 2:00. 1 or 2 units. Laboratory fee, \$3.00 each unit.

C110. Slide Rule and Precision of Measurements. MR. TILE

A study of the principles of precision of measurements and the application of these principles to experimental data. Each student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics B2, B4. 3 units. First semester, *A*. Fee \$3.00.

C111a-C111b. Electricity and Magnetism. MR. TILE

A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics B2, B4. 3 units.

D109a-D109b. Electrical Measurements. MR. TILE

Laboratory in electrical and electromagnetic measurements including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacitance. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics C111a-C111b plus one of the following or accompanying this course. 1 or 2 units. *A*. Laboratory fee, \$4.00 each unit.

D113a, D113b. Analytic Mechanics. MR. TILE

A study of force and motion with special reference to equilibrium problems and structures. Prerequisite: A knowledge of Calculus. *VII*.

D115a-D115b. Physical Optics. MR. TILE

The fundamental laws of geometrical optics, the wave theory of light, interference, diffraction, polarization, electron theory of light, reflection and refraction, dispersion, ray optics, theory of relativity and introduction to the spectroscopy and atomic theory. Prerequisite: Physics B2 and Calculus. *VI*.

D117b. Optics Measurements.**MR. HAUPT**

Quantitative verification of the laws of geometrical optics, interference, diffraction, polarization, dispersion and refraction, photometry and photography. Special emphasis will be given to work in experimental spectroscopy. Laboratory to accommodate 1 or 2 units. Laboratory fee, \$4.00 per unit. *Th* and *15-4:15*.

Research.**MR. TILESTON and MR. HAUPT**

The following problems are in progress in the department:

Properties of high energy ions.

Energy losses in electron beams due to inelastic collisions with atoms and molecules.

Molecular constants by band spectra methods.

Persons in the department who are properly qualified will be accepted as research associates in the study of these problems.

First semester. 1 to 3 units. *A*. Laboratory fee, \$2.00 per unit.

POLITICAL SCIENCE AND LAW**INTRODUCTORY COURSES****1b. The Foundations of Government.****MR. STORY**

Origin and nature of political control; analysis of selected problems in the field of political control, especially of individual and group relationship to it. First semester. The fundamental problems which arise with the attempt to exercise political control, *e. g.*, formulation of policy, selection and control over government, development of governmental structure and machinery, etc. Second semester. Registration limited to lower division students. 2 units. *WF, XI*, with third hour at the pleasure of the instructor. *A*.

2b. Contemporary Governments.**MR. SAIT**

Practical solutions to problems in the field of political control. Character, institutional forms, and political practice of the principal contemporary foreign governments with special attention to English government. First semester. American government including a study of the principles and problems of American government, state and municipal polity. Second semester. *IV*.

Principles of Government.**MR. STORY**

Examination of the current working hypotheses derived from experience in government; together with an attempt to determine the assumptions and premises which are the background of the principles examined. Registration limited to advanced students who have not had Political Science *A*. 2 units. First semester. *WF, VII*, with a third hour at the pleasure of the instructor.

ADVANCED COURSES

Unless otherwise specified seven or eight hours work in the introductory courses, listed above, or the written consent of the instructor, is an absolute prerequisite for registration in the following courses.

C103. Municipal Problems.

MR. S

Survey of modern experience in the organization and administration of urban communities. Analysis and causal explanation applied to selected problems of American municipal government with special attention to conditions in California cities. Second semester. *III.*

C104. Political Institutions.

MR.

Consideration of the more important institutions of government and of the efforts to adapt them to increasingly complex conditions. Second semester. *VI.*

C105. Introduction to Law.

MR. BU

The development of American law and legal institutions and some analysis of the rights and liabilities arising from the common legal relationships. First semester. *I.*

C108. Problems of International Relations.

MR

The formulation and control of foreign policy in a democracy; the treaty-making power; contemporary problems arising from competitive national interests including the control of economic imperialism; the "outlawry of war"; and international organization. First semester. *II.*

C109. Political Problems of Eastern Asia.

MR.

A survey of selected phenomena in the contemporary political and international relations of China, Japan and Asiatic India with particular emphasis upon China. Open to upper division students who have a satisfactory elementary knowledge of one or more of the following subjects: Political Science, History, Economics, Sociology or Philosophy. 2 hrs. Second semester. *WF, VII,* with a third hour at the pleasure of the instructor.

D112. Public Opinion.

MR.

The origin and nature of individual and group attitudes and public policy; the scope and function of individual and group opinion in relation to public affairs; the modes and methods affecting the formulation and expression of public opinion and the factors available for making it effective in law and policy. Second semester. *III.*

Political Parties.

MR. SAIT

analysis of the problem of getting candidates and policies accepted in large democratic communities with diversified social and economic interests. First semester. *VI.*

Constitutional Law.

MR. BURGESS

examination of the Constitution of the United States and decisions of the Supreme Court upon questions arising therefrom. Second semester. *I.*

International Law.

MR. SAIT

nature, sources and development of international law; its position in the international community; the rights and duties of states; pacific and belligerent procedure for the protection of rights; the League of Nations and the Permanent Court of International Justice. Second semester. *II.*

THE READING PROGRAM IN POLITICAL SCIENCE

Any student who desires to read in Political Science will qualify for concentration in the Division of Social Sciences (see p. 66), and will adopt the following Reading Program as the dominating part of his upper division work. This program is designed to assist those who aspire to intelligent participation in public affairs and those who plan to do graduate work in Political Science or Law. The Reading Program represents a possible twenty-four semester credit in the department, with an additional six hours upon the completion of reading courses planned for the first six months. The amount of credit to be assigned to any individual Reader will depend upon the appraisal of his work at the end of his Senior year. At that time a series of comprehensive examinations, written and oral, are given during the month of May in view of testing the Reader's range and thoroughness of knowledge and the degree of maturity which characterizes his

The Reading Program emphasizes certain features which are designed to assure perspective and to impart organization and direct the Reader's effort in the field as a whole:

Each Reader registers, not for individual courses, but for the entire program, e.g., C151, C152 in the Junior year, and D251, D252 in the Senior year. In making up their programs Readers are free to confer with all members of the Department, but registration will be made through the head of the department.

As directive and contributing elements, not less than four departmental courses will be incorporated and completed in the Reader's program, registration for these being indicated as C151 (C108) or D252 (D112).

Readers are furnished a selected bibliography covering the main divisions of the program; in consultation with some member

of the department they will formulate their program of reading each semester and for summer work if the latter is entered upon. Each reader is responsible for a sound general knowledge of the material indicated in each section, and is expected to develop individual emphases as interest and time dictate, especially in the three subjects chosen under Section 2.

(4) In addition to individual conferences with a member of the department who acts as his adviser, each reader will meet regularly in a pro-seminar group with the departmental faculty for the presentation of reports, discussion, and the planning of further group meetings.

C151, C152. Reading in Political Science.

MR. BURGESS, MR. SAIT and MR. S.

D251, D252. Reading in Political Science.

MR. BURGESS, MR. SAIT and MR. S.

1. *Political Thought*: The great classics of Political Science from Plato's *Republic* to the significant works of contemporary writers.
2. *Governmental Institutions*: General Reading in the following subjects, in three of which individual emphases shall be stressed:
 - a. American Government.
 - b. Foreign Governments.
 - c. Comparative Municipal Government.
 - d. International Political Institutions.
 - e. Comparative Legal Institutions.
 - f. Public Opinion.
 - g. Public Administration.
3. *Political Biography*: The lives of great public leaders with some emphasis upon those of the United States and Great Britain. "Works" and autobiographies will be included.
4. *Bibliography and Methods*: A survey of bibliographical sources in selected branches of the field; methods of investigation including the technological contributions of history, sociology, psychology and statistics. 24-30 units. A.

PSYCHOLOGY

B1 is prerequisite to all further courses in the department. Sections in B1 are limited to forty each.

B1. Elements of Psychology.

MR. EWER and MR.

The fundamental facts and laws of the mind. Principles of sensation, perception, memory, thought, feeling, emotion, and will. The relation of mental processes to the body.

stem and to action. Each semester. First semester, Mr. Ewer, *IV* and *VI*; Mr. Ellis, *III*; second semester, Mr. Ellis, *IV*; Mr. Ewer, *V*.

Child Psychology.

MR. ELLIS

intensive survey of physical and mental growth and development. Particular attention will be given to methods of child rearing and to the hygiene of growth. Second semester. *VII*.

Individual Differences.

MR. ELLIS

study of the nature and extent of individual differences and their causes as determined by objective methods. Age, sex and individual differences. Genius, subnormality, insanity and criminality. The organization of mind. Applications in various fields are considered briefly. First semester. *IV*.

Problems of Psychical Research.

MR. EWER

the mysterious phenomena of the mind presented in the light of scientific psychology. The subjects considered include anesthesia, automatism, illusions and hallucinations, hypnosis, contemporary occultism and spiritualism. Second semester.

Educational Psychology.

MR. EWER

practical applications of psychology to education. The nature of the learner; principal features of the learning process; principles of motivation; methods of mental measurement. First semester, *VII*. Second semester, *IV*.

Applications of Psychology.

MR. ELLIS

critical study of the fundamental principles underlying applied psychology together with their application in various fields, especially business, psychotherapy and law. First semester, *VI*.

Social Psychology.

MR. EWER

the psychological processes underlying social order and progress; the individual as the social unit; collective forms of behavior. First semester. *V*.

Experimental Psychology.

MR. ELLIS

laboratory course in psychology accompanied by lectures and discussions of the principles of scientific method used in psychological investigations. Second semester. Class, *MW*, *III*; laboratory, *W*, 1:15-4:10. Laboratory fee, \$2.00.

D209b. Advanced Psychology. MR. EWER and MR. ELLIS
First semester, the historical development of psychology; the various systematic points of view in contemporary psychology; Mr. Ewer. Second semester, a critique of objective method in psychology, with special reference to behaviorism and the problem of instinct, brain localization, and mental measurement; Mr.

Ellis. Students are advised to consult with the instructor before registering in either part of the course. *T, 4 to 6. (First semester omitted 1934-1935).*

PUBLIC ADDRESS

A1a-A1b. English: An Introductory Course. MR. S

(In cooperation with the Department of English)

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the important literary types; instruction and practice in writing speech. 4 units. Prerequisite for all other departmental courses. Men; *WF, I*; section meetings at *II*; Women: *TTh, II*; section meeting at *I*.

B32a-B32b. Public Address. MR.

Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment of specific audiences. 2 units. *MW, III*.

B33a-B33b. Principles of Interpretative Reading. MR.

Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of literary types. 2 units. *MW, V*.

B35a, B35b. Argumentation and Debate. MR.

Study of the principles of argumentation and practical application of these principles in class debates. Debate subject for the year analyzed and debated. 2 units. *A*.

C131a-C131b. Advanced Public Address. MR.

Training in the construction and delivery of formal address. Prerequisite: Public Address B32 or equivalent. 2 units. *MW, VII*.

C134a-C134b. Reading of Dramatic Literature. MR.

The intensive study of a limited number of standard plays with emphasis on dramatic values in character and plot. Interpretative reading of these plays in class. Recital program for the class. Prerequisite: Public Address B33 or equivalent. 2 units. *TTh, VI*.

RELIGION

A1a, A1b. Orientation in Religion. MR.

A study of the influence of modern thought in the interpretation of religion and of the contribution of religion to civilization. 2 units. Each semester. *TTh, VI*.

Introduction to New Testament.

MR. HAND

careful study of such questions as date, authenticity, authorship, composition, integrity, purpose and contents of the documents which comprise the New Testament. First semester. *TTh, XII.*

The Teachings of Jesus.

MR. HAND

Special emphasis is laid on Jesus' conception of the Kingdom of Heaven, his revelation of God and his doctrine concerning his own person and his claims on the fealty of men. Second semester. 2 units. *TTh, XII.*

The Evolution of the English Version.

MR. HAND

Study of the various texts and versions by which the Bible came to be a literary possession of the English-speaking world. First semester. 2 units. *TTh, XII. (Omitted in 1934-1935).*

The First Interpreters of Jesus.

MR. HAND

Study of the teachings of Paul and the general epistles as they have modified and interpreted Christianity. Second semester. 2 units. *TTh, XII. (Omitted in 1934-1935).*

C109b. The Religious World.

MR. BROOKS

This course surveys the origin and growth of religious experience, the characteristics of a fully developed religion, the rise of modern religious ideas, and the place of religion in social instruction. *III.*

ROMANCE LANGUAGES AND LITERATURES

FRENCH

a. Elementary.

MRS. BISSIRI, MR. CROWELL, MISS WAGNER
 Essentials of grammar and pronunciation; readings from easy French texts; writing from dictation; practice in speaking. *IV.* (2 sections).

b. Intermediate.

MRS. BISSIRI, MR. CROWELL, MISS HUSSON
 Review of grammar with the translation of moderately difficult French into French; conversation. Extensive reading of modern French texts representing as many literary forms as possible; part of this reading is done as outside assignments; French history, geography, culture, etc., are stressed in class discussions as time allows. *III* (2 sections), *VII.*

C103b. Literature of the Nineteenth Century.

MRS. BISSIRI

In the first semester stress will be upon the theater, from the Romantic period to the end of the century. In the second semester

ter, an intensive study of the romantic poets will be made followed by a consideration of the later poets and certain writers outside the field of the novel. *V.*

C111a-C111b. Composition and Conversation. MRS. F.

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, special stress on the acquisition of a correct pronunciation, intonation, phonetics being used as an aid. This course is conducted, for the most part, in French. *IV.*

D113a, D113b. Literature of the Seventeenth Century.

MRS. F.

In the first semester, introductory lectures on the historical ground and the precursors of the great dramatists, with a detailed study of the great plays of Corneille and Racine and certain of the writings of Boileau, Mme. de Maintenon and others followed in the second semester by a detailed study of Molière and a consideration of La Fontaine, La Bruyère, Despreux, Pascal, etc. *XI.*

D117. Le Moyen Age.

MR. F.

Poetry of the middle ages. Les chroniqueurs. Villon. Lectures upon the literary history of the period. Collateral readings. First semester. *IV.*

D118. La Renaissance.

MR. F.

Ronsard and the Pléiade. Rabelais and Montaigne. Poetry of Marot. Lectures and collateral readings. Second semester.

D217a, D217b. Romance Literature.

THE

A course in directed reading for students concentrating in French or Spanish; designed to develop and link the department offerings in order to present a comprehensive view of the literature from its beginnings to present times; culminates in the comprehensive final examination required of students concentrating in the department. *A.*

SPANISH

A1a-A1b. Elementary.

MISS F.

Essentials of grammar and pronunciation; readings from modern texts; writing from dictation; practice in speaking.

B3a-B3b. Intermediate. Grammar Review and Modern Readings.

MR. CROWELL and MISS F.

A review of grammar with the translation of moderately difficult English into Spanish; conversation. Extensive reading of modern Spanish texts chosen to represent as many literary fields

sible; a part of this reading is done as outside assignments; Spanish history, geography, culture, etc., are stressed in class discussions as far as time allows. Prerequisite: Spanish A1 or equivalent. Two sections. *V, XI.*

The Theater of the Nineteenth Century. MISS HUSSON
Study of the works of such dramatists as Moratín, Martínez de Rosa, Duque de Rivas, Gutiérrez, Hartzenbusch, López de Ulla, Bretón de los Herreros, Tamayo y Baus, Echegaray, and others. First semester. *VI.*

The Novel of the Nineteenth Century. MISS HUSSON
Study of certain of the works of Fernán Caballero, Pedro de Alcón, Valera, Pereda, Galdós, Pardo-Bazán, Valdés, andasco Ibañez. Second semester. *VI.*

-C111b. Spanish Composition and Conversation.

MISS HUSSON
Extensive drill in written and oral expression; free composition; dictation; conversation, on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and diction. This course is conducted, for the most part, in Spanish. *IV.*

The Novel of the "Siglo de Oro." MR. CROWELL
Introductory lectures and assigned readings on prose fiction of the reign of Ferdinand and Isabella to 1600, followed by an intensive study of Cervantes and the "Quijote." First semester. *I.*

The Theater of the "Siglo de Oro." MR. CROWELL
Introductory lectures and assigned readings on the development of the early theater in Spain, followed by a detailed study of some of the plays of Lope de Vega, Tirso de Molina, Ruiz de Alcón, Calderón, and some of the lesser dramatists. Second semester. *I.*

ITALIAN

1b. Elementary. MR. JONES
A rapid survey of the grammar with special emphasis on the pronunciation. Extensive reading of modern prose. Open only to students who have a thorough grounding in French, Spanish, or Latin. *VI.*

SOCIOLOGY

1b. Elements of Sociology. MR. KIRK
An introduction to the study of society. Designed to give the student an orientation in the social sciences and to develop a logical, comparative, and constructive attitude toward contemporary social problems. Application of sociological principles to

modern social problems, such as race prejudice and movement of population, urbanization and neo-Malthusianism, marriage and divorce, poverty and crime, child welfare, leisure activities. *IV* and *VI*.

C107. Criminology. MR.

The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new, scientific approach to the treatment of delinquents in the courts and in penal institutions. Prevention of delinquencies through control of the causes. First semester.

C108. Labor Problems. MR.

A survey of labor problems and causes of industrial unrest. Collective bargaining and trade unionism, child labor, scientific management, labor legislation, methods of promoting industrial peace, problems of reconstruction. Second semester. *V*.

C125. Poverty and the Community.

(Omitted in 1934-1935).

C128. Social Aspects of Race Relations.

(Omitted in 1934-1935).

D132. The Family.

(Omitted in 1934-1935).

D133. Theories of Social Reform. MR.

A study of various proposals for social reconstruction including The Utopians, Marxian Socialism, Fabian Socialism, Syndicalism and Anarchy. An investigation of contemporary experimental social reorganization: The British Labor Movement, The Soviet Regime, Soviet Russia and the Cooperative Movement in India, and America. First semester. *III*.

D134. Contemporary Sociological Thought. MR.

An analysis of the facts and forces involved in the organization and modification of society with special emphasis upon social distance, conflict and accommodation.

A survey of the leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Second semester. *III*.

D251, D252. Advanced Studies in Sociology.

Research in social problems and agencies. Various techniques which have been developed in sociological research will be used in making individual or group surveys for the purpose of illustrating the relative merit, the special contribution and the definite limitations of the several tools of research. *A. (Omitted in 1934-1935).*

SUMMER SESSION

ough the main work of the Summer Session formerly conducted by Pomona College has been transferred to Claremont Colleges, Pomona College still maintains summer work at Laguna and Bluff Lake.

Department of Zoology conducts work at the Laguna Marine Laboratory, Professor W. A. Hilton, Director.

The Pomona College summer camp in the San Bernardino Mountains, Professor Taylor gives theoretical and practical work in surveying and Mr. Beggs gives instruction in applied art.

SUMMARY OF STUDENTS

1933-1934

Compiled March 1, 1934

-	-	-	-	-	-	-	-	-	153
-	-	-	-	-	-	-	-	-	156
cores	-	-	-	-	-	-	-	-	178
en	-	-	-	-	-	-	-	-	152
-	-	-	-	-	-	-	-	-	5
Total Enrolment	-	-	-	-	-	-	-	-	644

In addition to the above, 6 Claremont Colleges students and Shipp College students have taken some work in Pomona during 1933-1934.

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KEY

Permanent



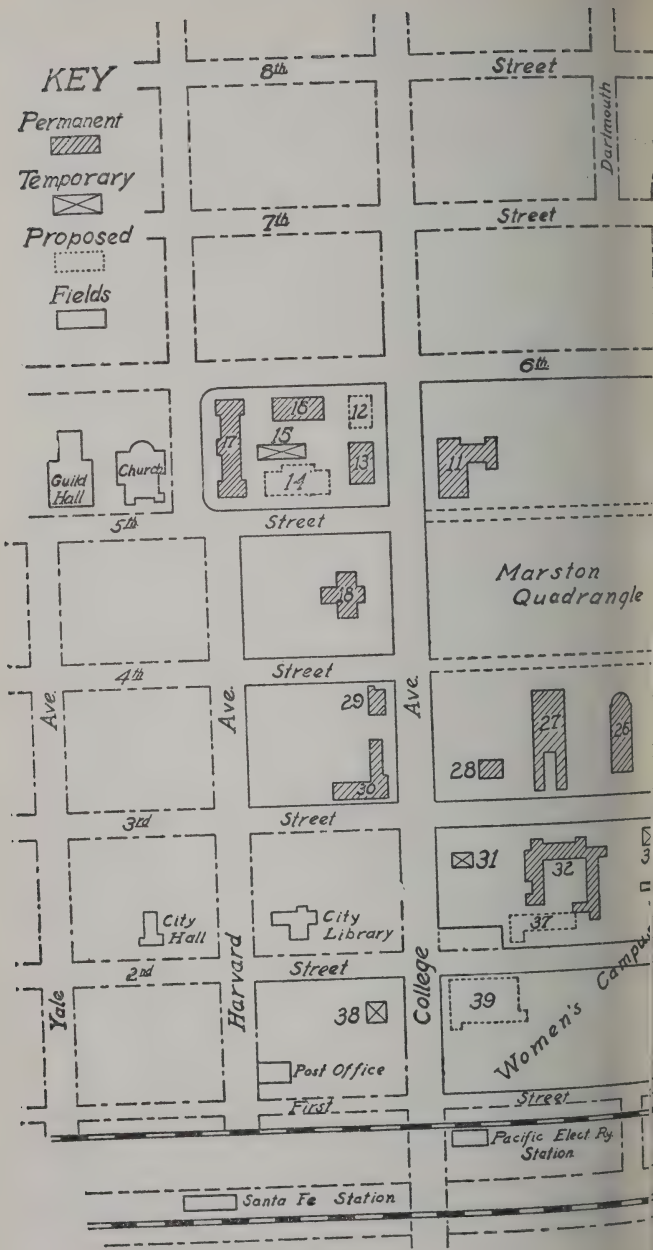
Temporary



Proposed



Fields



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PERMANENT

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7. Alumni Athletic Fields
8. Training Quarters
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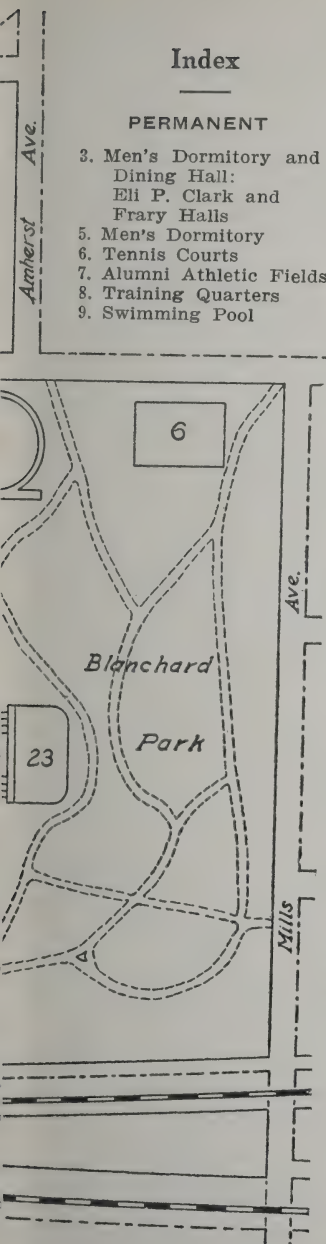
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11. Holmes Hall:
Assembly Hall
13. Pearsons Hall
16. Crookshank Hall
17. Mason Hall
18. Library
19. Bridges Auditorium
22. Brackett Observatory
23. Open-Air Theater
24. Hockey Field
25. Tennis Court
26. Sumner Hall:
Administrative Offices
27. Bridges Hall
28. Rembrandt Hall
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32. Harwood Court:
Women's Dormitory
37. Women's Dining Hall
40. Heating Plant

TEMPORARY

1. Garages
2. College Shops
15. Harwood Hall
20. Little Gymnasium
21. Big Gymnasium
31. Wilby House:
Women's Dormitory
33. Women's Dormitory
34. Women's Building
36. Garages
38. Haddon Hall:
Women's Dormitory

PROPOSED

4. Men's Dormitory
12. Botany Building
14. Physics Building
35. Women's Dormitory
39. Women's Gymnasium



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Pomona College Bulletin



Annual Catalog

1935-1936

Claremont • California

CORRESPONDENCE

Correspondence should be addressed as follows, the postoffice address being in every case Pomona College, Claremont, California:

ists for catalogs, bulletins and general information, also
inquiries regarding Public Events and Lectures - -

- - - - SECRETARY OF THE FACULTY

Director of Admissions

ss Affairs - - - - - CONTROLLER

Student Affairs - - - DEAN OF THE COLLEGE
AND DEAN OF WOMEN

ni Affairs SECRETARY OF THE ALUMNI ASSOCIATION

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XXII FEBRUARY, 1935

No. 2

HOSPITALITY

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is owned and operated by the institution. Parents and friends are invited to use the facilities of the Inn for long or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under both the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses in part the friendliness of the colleges and the community.

Forty-eighth Year

Pomona College Bulletin

ANNUAL CATALOG

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TEACHERS FOR THE YEAR
1935 - 1936, REQUIREMENTS
FOR ADMISSION, DESCRIPTION
OF COURSES AND GENERAL
INFORMATION

February, 1935

CLAREMONT · CALIFORNIA

Published by the College

1936

JANUARY							JULY							JANUARY							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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31																											
APRIL							OCTOBER							APRIL							OCTOBER						
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MAY							NOVEMBER							MAY							NOVEMBER						
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26	27	28	29	30	31		24	25	26	27	28	29	30	24	25	26	27	28	29	30	29	30					
JUNE							DECEMBER							JUNE							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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9	10	11	12	13	14	15	15	16	17	18	19	20	21	14	15	16	17	18	19	20	13	14	15				
16	17	18	19	20	21	22	22	23	24	25	26	27	28	21	22	23	24	25	26	27	20	21	22				
23	24	25	26	27	28	29	29	30	31					28	29	30					27	28	29				
30																											

COLLEGE CALENDAR

1935

ember	16, <i>Monday</i>	Conference Day for all new students
ember	17, <i>Tuesday</i>	Registration Day for all new students
ember	18, <i>Wednesday</i>	Registration Day for returning students
ember	19, <i>Thursday</i>	Registration Day for returning students
ember	19, <i>Thursday</i>	Opening Convocation, 11:00 a. m.
ember	19, <i>Thursday</i>	First Semester Classes begin, 1:15 p. m.
er	17, <i>Thursday</i>	Founders Day, Flame Ceremony, 11:00 a. m.
ember	27, <i>Wednesday</i>	Thanksgiving Recess begins, 6:00 p. m.
nber	2, <i>Monday</i>	Thanksgiving Recess ends, 8:00 a. m.
nber	19, <i>Thursday</i>	Christmas Music, 7:00 p. m.
nber	20, <i>Friday</i>	Christmas Recess begins, 6:00 p. m.

1936

ry	6, <i>Monday</i>	Christmas Recess ends, 8:00 a. m.
ry	22, <i>Wednesday</i>	Examinations Begin
ary	1, <i>Saturday</i>	First Semester Ends
ary	3, <i>Monday</i>	Registration Day for Freshmen, Sophomores and Specials
ary	4, <i>Tuesday</i>	Registration Day for Juniors and Seniors
ary	5, <i>Wednesday</i>	Second Semester Classes begin, 8:00 a. m.
ary	6, <i>Thursday</i>	Opening Convocation of Second Semester, 11:00 a. m.
ary	15, <i>Saturday</i>	Matriculation and Parents' Day Convocation, 11:00 a. m.
	27, <i>Friday</i>	Spring Recess begins, 6:00 p. m.
	6, <i>Monday</i>	Spring Recess ends, 8:00 a. m.
	29, <i>Friday</i>	Memorial Convocation
	2, <i>Tuesday</i>	Examinations begin
	15, <i>Monday</i>	Commencement

SUMMER VACATION

ber	14, <i>Monday</i>	} Registration Days
ber	15, <i>Tuesday</i>	
ber	16, <i>Wednesday</i>	
ber	17, <i>Thursday</i>	Convocation, 11:00 a. m.

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DIRECTORY OF OFFICERS

CHARLES K. EDMUNDS, President.	209 Sumner F
GERTRUDE PALMER CLEVERDON, Assistant to the President.	209 Sumner F
GILBERT N. BRINK, Assistant to the President.	203 Sumner F
WILLIAM E. NICHOLL, Dean of the College.	101 Sumner F
JESSIE E. GIBSON, Dean of Women.	112 Sumner F
ERNEST E. JONES, Treasurer.	Harper F
GEORGE S. SUMNER, Controller.	Harper F
GEORGE S. BURGESS, Secretary of the Faculty.	200 Sumner F
HOWARD HUNT PATTEE, Director of Admissions.	104 Sumner F
CHARLES T. FITTS, Registrar.	106 Sumner F
KENNETH DUNCAN, Director of the Library.	Lib
MARION J. EWING, Acting Librarian.	Lib
EASTON H. LUM, College Physician.	Dispen
EDNA PRESCOTT DAVIS, Director of Dormitories.	Frary
EARL J. MERRITT, Social Director, Men's Campus.	Eli P. Clark
MARGARET MAPLE, Alumni Secretary.	202 Sumner F

BOARD OF TRUSTEES

GEORGE W. MARSTON, LL.D.
 FRANK H. HARWOOD
 WILLIAM A. SCHWEITZER
 CHARLES K. EDMUNDS, PH.D.
 NEST E. JONES
 GEORGE S. SUMNER, PH.D.

President
Vice-President
Vice-President
President of the College
Secretary and Treasurer
Controller

HONORARY TRUSTEES

President of Claremont Colleges, *Ex Officio*
 President of the Alumni Association, *Ex Officio*

Term of Office Expires June, 1935

WELLYN BIXBY
 STANLEY CHAPMAN
 N. M. CURRAN
 RY CLARK EVERSOLE
 GEORGE W. MARSTON, LL.D.
 ERT P. JENNINGS

Long Beach
 Fullerton
 Santa Barbara
 La Canada
 San Diego
 Los Angeles

Term of Office Expires June, 1936

LIAM B. HIMROD
 HUR J. MCFADDEN
 PH J. REED
 L. S. PATTON
 ES E. SHELTON
 ES W. FIFIELD, JR. D.D.

Los Angeles
 Santa Ana
 Los Angeles
 Los Angeles
 Los Angeles
 Los Angeles

Term of Office Expires June, 1937

HUR S. BENT
 GEORGE L. EASTMAN
 IN F. HAHN
 EY G. MUDD
 T TREATOR
 OLPH J. WIG

Los Angeles
 Hollywood
 Pasadena
 Los Angeles
 Los Angeles
 Pasadena

Term of Office Expires June, 1938

ANNA BIXBY BRYANT
 HUR M. DOLE
 CHARLES K. EDMUNDS, PH.D.
 A. SCHWEITZER
 H. SIBLEY, D.D.
 ERICK W. WILLIAMSON

Los Angeles
 Pomona
 Claremont
 Los Angeles
 Pasadena
 Los Angeles

Term of Office Expires June, 1939

IER FREEMAN, D.D.
 ARD C. HARWOOD
 K H. HARWOOD
 McLEAN OLNEY
 M. WILCOX
 ST E. JONES

Pomona
 Pasadena
 San Dimas
 Berkeley
 Lamanda Park
 Claremont

FACULTY¹

CHARLES KEYSER EDMUNDS

345 College

President, 1928.

B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

EDWIN CLARENCE NORTON

145 W. Sevent

Dean of the Faculty and Professor of the Greek Language Literature on the Edwin Clarence Norton Foundation, Emeritus, 18

B.A., Amherst College; M.A., Amherst College and Yale Univ
Ph.D., Carleton College; D.D., Pacific Theological Seminary. Gr
Student, Johns Hopkins, Columbia and Oxford Universities.

FRANK PARKHURST BRACKETT

270 E. Thi

*Professor of Astronomy on the Frank Parkhurst Brackett Founda
and Director of the Observatory, Emeritus, 1888.*

B.A., Dartmouth College; M.A., Dartmouth College; Sc.D., Dar
College. Honorary Fellow, Clark University.

PHEBE ESTELLE SPALDING

261 W. Fif

*Professor of English Literature on the Phebe Estelle Spalding Fou
tion, Emeritus, 1889.*

B.L., Carleton College; M.L., Carleton College; Ph.D., Boston Uni

GRACE ELLA BERRY

353 W. Elever

*Dean of Women, and Associate Professor of Mathematics, Eme
1909.*

B.S., Mount Holyoke College; M.A., Mount Holyoke College.

MENDAL GARBUTT FRAMPTON

927 Harvar

Professor of the English Language, 1904.

B.A., Illinois College; M.A., Illinois College; M.A., Harvard Uni
D.Litt. Illinois College.

Graduate Student, Harvard and Chicago Universities.

WILLIAM ATWOOD HILTON

1293 Dartmout

*Professor of Zoology on the Willard George Halstead Founda
1905.*

B.S., Cornell University; Ph.D., Cornell University.

BERNARD CAPEN EWER

706 Indian Hil

Professor of Psychology, 1916.

B.A., Brown University; M.A., Brown University; Ph.D., Harv
versity.

¹Arranged in order of appointment to present rank. The date in c
denotes the beginning of original term of service.

FACULTY

11

PH HAINE LYMAN

357 W. Tenth St.

Professor of Applied Music, Head of Department of Music, 1917.
B.A., Grinnell College. Student in voice with Karleton Hackett, William B. Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes Cowper and other American masters and with Vittorino Moratti in Berlin.

RO BEATH JONES

125 W. Eleventh St.

Professor of French Literature and Instructor in Italian, 1911.
B.A., Boston University; M.A., Boston University. Graduate Student, Universities of Chicago, Geneva and Barcelona.

LIAM EVAN NICHOLL

465 W. Sixth St.

Dean of the College and Professor of Education, 1919.
B.A., Bellevue College; M.A., Columbia University. Graduate Student, Edinburgh University.

MER ELMER ROBBINS

487 Harrison Ave.

Professor of Classical History and Language, 1915.
B.A., University of Michigan; M.A., University of Michigan; Ph.D., University of Michigan.

BERT CHARLES DENISON

232 W. Fifth St.

Professor of Philosophy on the Robert C. Denison Foundation, 1920.
B.A., Amherst College; B.D., Andover Theological Seminary; D.D., Amherst College.

MOND CUMMINGS BROOKS

489 W. Sixth St.

Professor of Religion on the Nancy M. Lyon Foundation, 1921.
B.A., Tabor College; B.D., Yale Divinity School; D.D., Tabor College and Whitman College. Graduate Student, Oberlin College.

CE McCULLEY

821 Dartmouth Ave.

Professor of English Literature, 1921.
B.A., Hiram College; M.A., University of Chicago; Ph.D., Harvard University.

LIAM KIRK

705 Indian Hill Blvd.

Professor of Social Economics on the Henry Snyder Foundation, 1922.
B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

LIAM POLK RUSSELL

506 E. Sixth St.

Professor of Mathematics on the Joseph W. Fiske Foundation, Emeritus, 1904.
B.A., Cumberland University; M.A., Cumberland University. Graduate Student, Columbia, Harvard and Yale Universities.

RGE SAMUEL BURGESS

1175 College Ave.

Professor of Law and Secretary of the Faculty, 1918.
B.A., University of Michigan; J.D., University of Michigan.

- EUGENE WHITE NIXON 1034 Harvard A
Professor of Physical Education for Men, 1916.
 B.A., Monmouth College; M.A., Columbia University. Graduate Student, Illinois and California Universities.
- FRANK WESLEY PITMAN 116 E. Twelfth
Professor of History on the Warren Finney Day Memorial Foundation, 1924.
 Ph.B., Yale University; M.A., Yale University; Ph.D., Yale University
- ROLAND R. TILESTON 1129 Dartmouth A
Professor of Physics on the Seeley W. Mudd Foundation, 1925.
 B.A., Dartmouth College; M.A., Dartmouth College; D.Sc., Colorado College.
- RUSSELL McCULLOCH STORY 127 W. Eighth
Professor of Political Science, 1925.
 B.A., Monmouth College; M.A., Harvard University; Ph.D., Harvard University.
- CHARLES TABOR FITTS 826 Harvard
Registrar and Assistant Professor of English, 1919.
 B.A., Amherst College; M.A., University of California. Graduate Student, Harvard University.
- PHILIP ALEXANDER MUNZ 1165 Indian Hill
Professor of Botany on the Henry Kirke White Bent Foundation, 1917.
 B.A., University of Denver; M.A., University of Denver; Ph.D., University of Chicago. Graduate Student, University of Chicago.
- KENNETH DUNCAN 1100 Harvard
Professor of Economics on the Stedman-Sumner Foundation, 1920.
 B.A., Wabash College; M.A., University of Wisconsin; Ph.D., University of Michigan.
- ALFRED OSWALD WOODFORD 443 W. Tenth
Professor of Geology, 1915.
 B.A., Pomona College; Ph.D., University of California.
- JESSIE EDITH GIBSON
Dean of Women on the Martha N. Hathaway Foundation, 1927.
 B.A., University of Idaho; M.A., University of Washington. Graduate Student, California and Columbia Universities.
- CHARLES JUDSON ROBINSON 809 Indian Hill
Professor of Chemistry on the Carnegie Foundation, 1927.
 B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins University

- YARD TAYLOR** 1022 Harvard Ave.
Professor of Engineering Mathematics, 1920.
 B.E., University of Minnesota; M.A., University of Southern California.
 Graduate Student, University of Oregon.
- YARD MCCHESENEY SALT** 238 E. Seventh St.
Professor of Political Science, 1928.
 B.A., Toronto University; M.A., Toronto University; Ph.D., Columbia University.
- ESTER GEORGE JAEGER** 833 Indian Hill Blvd.
Professor of Mathematics, 1931.
 B.A., University of Missouri; Ph.D., University of Missouri.
- ERT SIDNEY ELLIS** 1120 Harvard Ave.
Professor of Psychology, 1931.
 B.A., University of Arkansas; Ph.D., Clark University.
- ETER ALFRED ALLEN**
Professor of Musical Theory and Appreciation, 1912.
 B.A., Beloit College; B.Mus., Yale University. Associate, American Guild of Organists.
- ETT SAMUEL OLIVE** University Club, 8th and Amherst
Professor of Piano, 1923.
 B.Mus., Simpson College. Graduate Student, Simpson College. Pupil of Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.
- PH WADDELL CLOKEY** Via Los Altos
Professor of Organ, 1926.
 B.A., Miami University. Graduate, Cincinnati Conservatory of Music.
- LIAM HOOD SIMPSON** 188 W. Seventh St.
Professor of Military Science and Tactics, 1932.
 Graduate, U. S. Military Academy; Graduate, Advanced Course, Infantry School; Distinguished Graduate, Command and General Staff School; Graduate, Army War College. Lieutenant-Colonel, Infantry, U. S. Army.
- ARD HUNT PATTEE**
Director of Admissions, 1932.
 B.A., Pomona College; M.A., Stanford University; Graduate Student, Columbia University.
- S WHITE CROWELL** 1278 Yale Ave.
Professor of Romance Languages, 1929.
 B.S., Haverford College; M.A., Haverford College; Ph.D., Cornell University.

ELLIOTT CURTIS LINCOLN

472 W. Tenth

Associate Professor of English Literature, 1924.
B.A., Colby College; M.A., State College of Washington and Harvard University.

BENJAMIN DAVID SCOTT

828 College

Associate Professor of Public Address, 1923.
B.A., University of Southern California; S.T.B., Boston University; Ph.D., Boston University. Graduate work, Boston, Brown and Harvard universities.

ELIZABETH KELLEY

Maryland

Associate Professor of Physical Education for Women, 1928.
B.A., University of Wisconsin; M.A., New York University.

WALTER TICKNOR WHITNEY

445 W. Tent

Associate Professor of Astronomy, and Director of the Frank P. Brackett Observatory, 1929.
B.S., M.S., Pomona College; Ph.D., University of Chicago.

WILLIAM HENRY COOKE

226 W. Eighth

Associate Professor of History, 1927.
B.A., Pomona College; M.A., Pomona College; Ph.D., Stanford University.

ROBERT TRESILIAN BELCHER

452 W. Sixth

Assistant Professor of Mathematics and Engineering, Emeritus, 1907.
B.A., Queen's University. Graduate Student, Queen's College and University of California.

CLIFFORD NOTT HAND

1045 Yale

Assistant Professor of Religion, 1919.
B.L., Pomona College; B.D., Pacific School of Religion; M.A., University of Southern California. Graduate Student, University of California.

RALPH RAYMOND UNIACKE

160 W. Eleventh

Assistant Professor of Violin, 1923.
Pupil of Franz Milcke.

FRANCIS GARRITT GILCHRIST

1040 College

Assistant Professor of Zoology, 1924.
B.A., University of California; Ph.D., University of California.

COLVIN HEATH

462 Baughman

Assistant Professor of Physical Education for Men, 1922.
B.A., Pomona College. Graduate Student, Pomona College.

ROBERT LOBINGIER STREHLE

1019 Dartmouth

Assistant Professor of Physical Education for Men, 1923.
B.A., Pomona College. M.A., Claremont Colleges. Graduate Student, University of Southern California, University of California, Stanford University.

FACULTY

15

- FRANCIS RAYMOND IREDELL 1060 College Ave.
Assistant Professor of Philosophy, 1925.
 B.A. Pomona College; M.A., Harvard University.
- FRIEDA BISSIRI 1035 Harvard Ave.
Assistant Professor of French, 1920.
 B.A., Kreuzlingen College, Switzerland.
- THOMAS MONTAGUE BEGGS 424 W. Tenth St.
Assistant Professor of Art, 1926.
 B.F.A., Yale University. Graduate, General Art Course at Pratt Institute.
- GARET HUSSON Maryland Ave.
Assistant Professor of Spanish, 1925.
 B.A., University of Kansas; M.A., Columbia University; Graduate Study, Centro de Estudios Históricos, Madrid.
- OLD DAVIS 157 E. Tenth St.
Assistant Professor of English, 1927.
 A., Stanford University; B.A. and B.Litt., Oxford University.
- ELIZABETH WAGNER¹ 428 W. Tenth St.
Assistant Professor of German, 1928.
 A., Smith College; M.A., Pennsylvania State College. Graduate Student, Columbia University, Middlebury College, Sorbonne, Université de Paris.
- LEY GLICK LEIGHTON 121 W. 6th St.
Assistant Professor of Chemistry, 1931.
 A., Pomona College; M.A., Harvard University; Ph.D., Harvard University.
- BERT EDWARD GRAY 1035 Harvard Ave.
Assistant Professor of Music, 1931.
 Mus., University School of Music, Lincoln, Nebraska; Pupil in voice of Adolph Engstrom, Evan Williams, and others; in cello of George Pierce, Bruno Steindel, and others.
- AND SPENCER CHAMNESS 1269 Harvard Ave.
Assistant Professor of Military Science and Tactics, 1931.
 Graduate, Infantry School, Basic Course. Captain, U. S. Army.
- ON JEANETTE EWING 487 W. Sixth St.
Acting Librarian, 1912.
 A., Olivet College; B.S., Simmons College; M.A., Boston University.
- on leave, second semester, 1935-36.

CURTIS HAUPT

142 W. Ninth

Assistant Professor of Physics, 1930.

B.A., Colorado College; M.A., University of California. Ph.D., University of California.

LEON HOWARD

217 W. 11th

Assistant Professor of English, 1930.

B.A., Birmingham-Southern College; M.A., University of Chicago; Ph.D., Johns Hopkins University.

ERNEST ALBERT STRATHMANN

141 E. 12th

Assistant Professor of English, 1932.

B.A., M.A., Ph.D., Johns Hopkins University.

NORMAN THEODORE NESS

529 Indian Hill Bl

Assistant Professor of Economics, 1928.

B.A., Carleton College; M.A., University of California; Graduate Student, Harvard University.

CARL BAUMANN

1130 Harvard A

Assistant Professor of German, 1931.

Ph.D., University of Basel.

GORDON SUTHERLAND

235 W. 9th

Assistant Professor of Piano, 1931.

B.Mus. and M.Mus., American Conservatory of Music.

EARL JAY MERRITT

Eli P. Clark H

Instructor in Physical Education, and Freshman Class Adviser, 1929.

B.A., Pomona College.

MARY C. LOVE

466 W. Sixth

Head of Library Loan Department, 1929.

B.A., M.A., Stanford University.

VIRGINIA PRINCEHOUSE ALLEN

Instructor in Dramatics, 1930.

B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.

ADA COOPER CAWSEY

130 W. Tenth

Instructor in Physical Education for Women, 1930.

B.S., University of Wisconsin.

LOUISE OTIS

424 W. 6th

Instructor in Chemistry, 1931.

B.A., Northwestern University; Ph.D., Northwestern University.

LUCILLE STEVENSON

626 Yale A

Instructor in Voice, 1931.

Student of Charles W. Clark, Alice Prince Miller and Rita Bastianni.

FACULTY

17

A ADELINE NELSON

Instructor in History, 1931.

B.A., University of Arizona; M.A., Claremont Colleges.

THESS GROSS BRISTOL

Instructor in Physical Education for Women, 1935.

B.A., Pomona College; M.A., Columbia University.

ELIZABETH CAWTHORNE

Instructor in Physical Education for Women, 1935.

B.A., University of California.

DEPARTMENTAL LECTURERS

FREDERICK AUGUSTUS DOUGLASS

275 W. Tenth St.

Lecturer in Education, 1926.

Professor of Education, Claremont Colleges.

B.A., Kansas State Teachers College; M.A., Ph.D., Clark University.

JOSEPH COLEMAN

870 N. Towne Ave., Pomona

Lecturer in Public School Music, 1927.

B.Mus., Chicago University. Pupil of Percy Rector Stephens and DeWitt Durgin Lash.

FRANZ JURECKA

163 W. 11th St.

Lecturer in Sculpture, 1932.

Graduate, Imperial and Royal College of Sculpture, Horice, Austria, now Czechoslovakia.

FACULTY COMMITTEES

1935-1936

- ACADEMIC PROCEDURE—Ewer, Burgess, Munz, Nicholl, Tileston.
- ADMINISTRATION—Robbins, Tileston, Ewer, Jaeger, Duncan.
- ADMISSION—Pattee, Fitts, Nicholl, Gibson, Ellis, Davis.
- ATHLETIC COUNCIL—Jaeger, Lincoln, Nicholl, Nixon, three student representatives, and two Alumni consulting members.
- CLASSIFICATION—Fitts, Nicholl, Taylor, Ellis, Pattee.
- COLLEGE LIFE—Nicholl, Gibson, Duncan, Jaeger, Merritt.
President and Vice-President Associated Students, consulting members on call.
- CONVOCATION—Nicholl, Burgess, Lyman, Scott.
- COURSES OF STUDY—Burgess, Munz, Fitts, Tileston, McCulley, Crowell.
- ENGLISH—Strathmann, Leighton, Husson.
- HEALTH—Nixon, Kelley, Nicholl, Gibson, A.W.S. and A.M.S. Presidents, consulting members on call.
- HONORS—Pitman, Hilton, Nixon, Crowell, Robbins, Ellis, Leighton, Allen, Howard.
- LECTURES, PUBLIC EVENTS AND COMMENCEMENT—Burgess, Nicholl, Lyman, W. J. Howard.
- LIBRARY—Duncan, Ewing, Burgess, McCulley, Haupt, Bauman.
- PERSONNEL—Gibson, Nicholl, Fitts, Pattee, Merritt, Ellis, Tileston, Jaeger, Kelley.
- RELIGIOUS INTERESTS INCLUDING CHAPEL—Brooks, Nicholl, Lyman.
- ROOMS—Burgess, Taylor, Hilton.
- SCHOLARSHIPS—Story, Gibson, Nicholl, Tileston, Allen, Iredell, Lyman.
- STUDENT AID—Nicholl, Pattee, Gibson, Cleverdon.

GENERAL INFORMATION

EARLY DAYS

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt the founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the first Board of Trustees by the General Association of Congregational Churches of Southern California. The present President of the Board of Trustees, Mr. George W. Marston of San Diego, was one of these original trustees.

The College was incorporated October 14, 1887. The work of construction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel in Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the college. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrolment has been held at approximately 750 divided equally between men and women and among the four classes.

A NEW DEPARTURE

The imperative demand for expansion led to the adoption of the inspiring leadership of President James A. Blaisdell, of the group plan of affiliated colleges, in which the obvious advantages of the small college are retained while still making possible the gathering together of the equipment that is justified only in a large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps, whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

These three institutions, Pomona, Scripps and Claremont, independent but cooperate in the establishment of certain mutual facilities. In approved cases, there is also an exchange of classroom privileges between the colleges. Certain functions such as the summer school, graduate and research work are carried on in cooperation. The buildings and facilities under Claremont Colleges and the laboratories under Pomona are for the use of Claremont Colleges, with its own trustees known as "The Board of Fellows" some of whom are also trustees of Pomona or Scripps, constitutes a central group, focusing a mutual effort, to return to each member of that group a stimulating and inspiring influence. Through the bequest of the late Seeley Mudd, first chairman of its Board of Fellows, and erstwhile trustee of Pomona College, Claremont Colleges received a gift of one million dollars for the establishment of its work.

CLAREMONT COLLEGES

Thus far the general services undertaken by Claremont Colleges in behalf of the group include the administration of a health service, the development of a central heating plant, the erection and administration of an auditorium seating 2,500, the erection of a building to house the central library and common business offices of the group. The inauguration of special library collections and the subsidy of research projects of members of the faculties are also the forerunners of larger developments under the auspices of Claremont Colleges.

POMONA'S IDEAL

The real heart of the Claremont plan lies not in its provision for graduate study but rather in the enhancement of school life among undergraduates, and Pomona represents the effort to maintain in an exceptionally favorable environment a small independent residence college where the inestimable advantages of intimacy are secured, but where the advantages of ample facilities and intense competition are also secured by its association with these other colleges situated in close proximity to it, and where the selective process assures, as nearly as possible, a comparable group of students who will really profit by college experience.

POMONA'S PROGRAM

From the very beginning Pomona College has maintained a reputation for interest in thorough scholarship rather than in large numbers. Membership in the institution itself is regarded as scholastic honor. Pomona holds that scholarship should not only be high but also broad and inclusive. It is not a professional school. It insists that the best preparation for life includes not only the ample, generous and complete training of the college course, such as is here given, but also at a later period a thorough definite professional specialization. The College has been particularly successful in permeating its body of students with these ambitions. A very large percentage of its graduates have undergone subsequent professional training, many winning scholastic honors in other institutions.

The courses offered in Pomona College cover the whole range of the humanities and the sciences, while the fine arts, especially music, are duly emphasized. Various combinations of fundamental courses are presented as adequately preparing for later professional studies in engineering, medicine, law, or education.

HONORS WORK

Since September, 1924, Pomona has been developing the so-called honors type of instruction, the purpose of which is to free students of more than average ability from some of the routine requirements such as compulsory attendance in classes, frequent examinations and conformity in the study of textbook assignments. Such students are encouraged to limit the scope of their work and to concentrate, in their junior and senior years, in their chosen field of study, preferably in programs composed of one major subject and one or two minors, so that the student may achieve a certain mastery and a sense of unity of knowledge in a fairly large portion of learning. The student is offered the opportunity of public private conferences with his major adviser, who helps him in his courses and his reading, criticizes his reports, and helps in achieving that integration of learning which constitutes a liberal education.

In a word, Pomona College, in the midst of a very rapidly developing region of Southern California, is endeavoring to maintain the values of a broad cultural preparation for life.

SOCIAL TRAINING AN ESSENTIAL PART OF EDUCATION

In seeking to achieve this purpose Pomona is making use of living conditions, dormitories, dining halls, social intercourse to an extent and in a way not yet adequately developed in American colleges generally, as a fundamentally important part of the undertaking.

Dining in the great hall for men or in the women's new hall induces social amenities not acquired otherwise. Exchange of views between the women's campus and the men's campus affords opportunities for social intercourse and entertainment at no expense. The fraternities have their special rooms within the dormitories in close association with the rooms assigned to members of the several groups.

Pomona's co-educational character greatly increases the culture of its student body. Working together on the highest level of life, men and women are most likely to associate in mutual respect and dignity. The graduates of this college testify that these relations add to the genuine wholesomeness and roundness of the student's life. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it feels obligated to promote the consideration of those age-old spiritual aspirations and interpretations which constitute religion, and to urge each student to correlate correctly these factors with the discoveries resulting from the application of careful scientific method in all other fields of human investigation. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of education, to seek an interpretation of his own guided by a critical study of those arrived at by others. It thus seeks to prepare the coming generation with a leadership of intelligence, capacity, directed will and noble character.

While originally Congregational in organization, the College long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, and nonsectarian.

BUILDINGS AND EQUIPMENT

In addition to the grounds and buildings administered by Claremont Colleges in behalf of both Pomona College and Scripps College, Pomona College itself occupies about one hundred and twenty acres, of which sixty are included in Blanchard Park, ten in Alumni Athletic Field, and fifty in the campus proper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from the central heating plant operated by Claremont Colleges.

The Mary L. Sumner Hall, named in memory of the wife of Charles B. Sumner, LL.D., one of the Founders of Pomona College, has been removed from its original site and remodeled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Monson, Massachusetts, reconstructed in 1916 in conformity with more modern plans for buildings and campus, is devoted mainly to lecture and recitation rooms, departmental offices and the offices of the Associated Students.

The Business Office of Pomona College is maintained in Harper Hall, administered by Claremont Colleges.

The Library, the gift of Mr. Andrew Carnegie, is an imposing structure, well adapted to the purposes for which it was built.

The Albert K. Smiley Hall, the first dormitory for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some 105 students besides the House Master and one or more instructors; additional dormitories accommodating some 165 upperclassmen; Frary Hall, the Dining Hall for Men, the gift of Mr. George Marston and others, named in memory of Rev. Lucien H. Clark, a member of the Board of Trustees from 1892 to 1903. Besides the Great Hall which will seat 450, there are three smaller lecture rooms for the use of special groups as required.

Harwood Court, a modern and pleasing dormitory which includes Strong Hall, accommodates about one hundred and eighty students, who are also served by the Aurelia Squier Harwood Memorial Dining Hall. The College also maintains several houses, in which similar accommodations can be secured.

The Claremont Inn has both large and small dining-rooms and accommodations for sixty guests.

Rembrandt Hall, the first section of the Art Building, is devoted chiefly to the work of the Department of Art. The upper floor contains studio and work rooms; the lower floor a convenient auditorium of moderate size for exhibits and assemblies.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges, of San Diego offers excellent facilities for the study of music.

The Mabel Shaw Bridges Auditorium, under the auspices of Claremont Colleges, has a seating capacity of 2500 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, though uncompleted, has at present a seating capacity of over 4000.

The Gymnasium, comprising two structures, affords ample equipment for indoor physical training supplementing the various playing fields for men and for women.

The Memorial Training Quarters stands as a remembrance of the Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of those men, Shelton Gerry, '17, supplemented by those of alumni, students and friends. Alongside the Training Quarters is a modern standard size swimming pool for men.

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, containing the laboratories and lecture rooms of the department of physics and mathematics, was reconstructed and made earthquake proof in the summer of 1934.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn Bixby, '01, is designed to be of service to the student in the distant study of the stars.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

The Marine Laboratory, located at Laguna Beach, has private rooms for special workers and two general laboratories as well as storerooms, work rooms and aquarium room.

The Pomona College summer camp at Bluff Lake in the San Bernardino Mountains consists of five cabins, located on the tract of 120 acres given to Pomona College by Mr. J. S. Edwards. The camp, at an elevation of 7,500 feet, is in a region of great and spoiled natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in their service.

THE LIBRARY

The Library, of 79,365 books and 76,930 pamphlets, has been carefully selected, and is a working library of exceptional value.

The College possesses also the following library collections administered by the main library: The Cook-Baker Biological Library, the Parrish Botany Library, the James A. Lyman Memorial Library of Chemistry, the Astronomical Library, the Newland Collection, the Geology Library, the Mason Library of California and Western American History, the Viola Minor Westergaard Art Collection, and the Carnegie Art Collection.

The main Library, the New England and the Mason California Libraries and the Westergaard and Carnegie Art Collections are housed in the Carnegie Library Building; the Cook-Baker Library in the Parrish Library in Crookshank Hall; the Astronomical Library in the F. P. Brackett Observatory; the James A. Lyman Memorial Library and the Geology Library in Mason Hall of Chemistry.

The Library is a depository for the publications of the Carnegie Institution of Washington, and for the United States Government publications. It has a large and well selected list of the most valuable research and general periodicals, including many complete

The library of Claremont Colleges, comprising 16,800 volumes including the George Burton Adams Library of English History, the Paul Hensel Library of Philosophy, and the Nollen Library of German Literature) is housed in Harper Hall and is available to students and instructors.

The library of Scripps College, at present about 16,350 volumes, housed in the Ella Strong Denison Library on the Scripps campus, and its resources are also available to students and teachers in Pomona College.

LECTURE FOUNDATIONS

THE JOSEPH H. JOHNSON FOUNDATION, liberally endowed by Miss Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions. By this means such educators are annually in residence at Pomona College. The opportunity of intimate contact with distinguished instructors thus afforded to undergraduates is a unique privilege, often surpassing the privileges of the classroom of any institution from which these educators come.

THE HENRY D. PORTER FOUNDATION, named in honor of the late Rev. Henry D. Porter, for many years a missionary in China, secures to the institution annually, the extended stay of some prominent worker in the field of Christian Missions. The lecturer upon this foundation commonly shares in the regular classroom work related to the history, geography, politics or religion of the region in which he has been actively at work. This vivid representation of the missionary life is one of the most stimulating features in the spiritual program of the College.

THE CLARK FOUNDATION, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture course of lectures in the general field of religion.

Music

In order to insure to the entire student body the opportunity of hearing and seeing the great artists of the day, whose public appearance is usually confined to the larger cities, the College operates with Scripps College and Claremont Colleges in the introduction each year of a group of the most distinguished masters in the field of music. For the year 1934-1935 the following artists were presented: Fritz Kreisler, Nelson Eddy, The Victor Choir Boys, Maier and Pattison, Dusolina Giannini, and the Angeles Philharmonic Orchestra with Gregor Piatigorsky. For the concerts thus afforded an annual ticket is furnished to every full time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of the faculty and by groups are given on Monday evenings.

The College Choir and the Men's and Women's Glee Clubs afford opportunity both for the exercise and for the appreciation of vocal talent.

PUBLIC ASSEMBLIES

It is the practice of the College to give opportunity for the consideration and expression of the common college interests.

On Thursday at 11 a. m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of these addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. Full attendance of both faculty and students is expected at these exercises.

On Tuesday at 11 a. m. a brief devotional Chapel Service is held, attendance at which is voluntary.

A Vesper Service of special music is offered on Sunday from four to five-thirty.

Students are urged to associate themselves for worship with the Tremont Church or those in neighboring communities, in connection with which many forms of religious activity are maintained.

CAMPUS ORGANIZATIONS

THE ASSOCIATED STUDENTS. This association attempts to coordinate all student activities. Its officers are chosen by the student body from among their own number. All important questions are first considered by the Executive Council, a governing body composed of class presidents and chairmen of other organizations representing various activities of campus interest.

ASSOCIATED MEN STUDENTS	} These organizations consider
ASSOCIATED WOMEN STUDENTS	

promote the special interests of the men and women respectively.

STUDENT-FACULTY COUNCIL. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular meet-

ings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for further consideration and action.

CLASS ORGANIZATIONS. Each of the four college classes is organized for the purpose of promoting class social life.

DEPARTMENTAL ORGANIZATIONS. Astronomical Society; Circulo Espanol; Le Cercle Francais; Mathematics Club; German Club; Physical Education Club for Women; Science Club.

PHI BETA KAPPA. The Pomona Chapter of Phi Beta Kappa is the Gamma of California. Upperclassmen "who are of high moral character, who are candidates for the degree of Bachelor of Arts, and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

HONOR SOCIETIES. Alpha Delta Mu,—Journalism Fraternity; Gamma Chapter, Alpha Kappa Delta,—Sociology Fraternity; Delta Sigma Rho,—Forensic Fraternity; Ghosts; Mortar Board; Valkyries.

LOCAL SOCIAL FRATERNITIES. Alpha Gamma Sigma; Kappa Delta; Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Phi Alpha; Sigma Tau.

MUSICAL ORGANIZATIONS. Composers Club; Men's Glee Club; Women's Glee Club; Honorary Music Club; Symphony Orchestra.

RELIGIOUS ASSOCIATIONS. Young Men's Christian Association; Young Women's Christian Association.

MISCELLANEOUS ORGANIZATIONS. Cosmopolitan Club; Forensic Union; Kallimachos,—Library Club; Masquers,—Mimics; Orchesis,—Dancing.

PUBLICATIONS

The stated publications of the College are issued as numbers of the *Pomona College Bulletin*, which is published monthly (except July and August). These include:

The *Annual Catalog*.

The *Report of the President* and special topical numbers.

The *Register of Alumni*.

The *News Letter*.

The Journal of Entomology and Zoology is published under the auspices of the Department of Zoology.

STUDENT PUBLICATIONS

The Student Life is published four times a week by the student body and is devoted to current affairs.

The Metate is published each year by the Associated Students, and contains material appropriate to a college annual.

The Sagehen, a magazine of humor, is published four times a year.

The Hand Book, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

PHYSICAL ATTENTION

The physical care of students is a matter of special concern to the College and the advantages of unusual attention and opportunity are offered. The climate of Southern California offers an outdoor life the year round. Supervision is given to athletics all seasons. A regular physician is on the staff of Claremont College, under whose direction every student on entering has a physical examination. Regular work in physical education is continued throughout the four years, and courses in Physiology and Hygiene are given. The medical advice of the College physician is ordinarily available free of charge to all students, subject to certain conditions of hours and location of residence, the College meeting these bills; provided that all nursing, surgical dressings and medicines as well as medical service in chronic or protracted illness are at the expense of the ill or injured. *The College, however, reserves the right to discontinue this individual medical service at any time without previous notice.*

ATHLETICS. The direction and financial management of athletics rests with the Director of Athletics, who has associated with him an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general supervision there is a student manager for each sport.

Omni Field, consisting of about ten acres, has been developed by alumni into athletic grounds admirably equipped and unused in the Southwest in beauty of setting. First-class tennis

courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, courses of the Indian Hill Golf Club are available, and athletic exercises and field sports are encouraged by the officers of the institution.

A swimming pool, of the standard size for water polo, fully equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona enjoy the privileges of the pool at the former institution.

Students are required to maintain a satisfactory standard of excellence in all their studies in order to represent the College in any of its athletic teams or other organizations coming before the public.

RESIDENCE FOR MEN

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that men not actually living at home will live in the college dormitories and board in Frary dining hall.

Dormitory and dining room privileges are provided only on the basis of an inclusive yearly charge for both board and room, the rate varying from \$400.00 to \$550.00 per year. This charge includes necessary furniture, rugs, bed linen and towels, the laundering of the same and the care of rooms. The only articles to be furnished by the student are blankets and bed spread for a single bed.

Smiley Hall has both single and double rooms and suites. Three rooms accommodating two students.

On the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for freshmen students. The other halls have both single rooms and suites.

RESIDENCE FOR WOMEN

It is expected that women students will room in the college residence halls and board at the dining room in Harwood Court. Freshmen are required to reside in Harwood Court. Students living at home or working for room or board may make special arrangements with the Dean of Women.

Harwood Court, the residence hall for women, in which is included the dormitory known as Strong Hall, and the several College Houses which afford residence facilities, have both single and double rooms as well as suites. Each room is provided

necessary furnishings, including rugs, the only articles to be furnished by the student are linen and covers for a single bed. Dormitory and dining room privileges are provided on the basis of an inclusive yearly charge for both board and room, the rate varying from \$400 to \$500 per year in the College Houses and from \$430 to \$500 per year in Harwood Court.

EXPENSES

Exclusive of residence facilities, the full cost of maintaining a student at the College exceeds six hundred dollars a year per student. Some from endowment and trust funds applicable to current expense usually covers about one-third of the total cost, the room fee as charged is designed to cover one-half, and the balance of one-sixth is left to be covered by voluntary contributions.

ESTIMATE OF GENERAL YEARLY EXPENSES

	Minimum	Average	Generous
General Tuition	\$300	\$300	\$300
Board and Room	400	450	550
Books and Fees	30	50	100
Personal Expenses	90	125	250
Total	<u>\$820</u>	<u>\$925</u>	<u>\$1200</u>

Rooms in the College residence halls are rented for the College year. The charge for rent does not include the use of the halls during the Christmas and Spring vacations, when the halls are closed. The residence halls are opened the Saturday before the beginning of the College year and closed the day after commencement.

A deposit of \$25 is required of all accepted candidates for admission, payable within 30 days of acceptance, unless the candidates are participating in the competitive scholarship examinations. Applicants participating in the scholarship examinations who do not win scholarships but who wish to remain on the regular list of candidates for admission must deposit \$25 within thirty days of the announcement of the awards.

This deposit reserves for the student a place in college. Fifteen dollars is credited on account of his first semester's tuition and the balance is held as a breakage fee, from which deductions are made for individual and communal damage to college property,

any balance being credited to the student's account on graduation or withdrawal.

Failure to make this payment within the specified time results in the removal of the candidate's name from the reserved list both for instruction and for housing. This does not affect the eligibility of the candidate for admission, but candidates who have not paid are placed after those who have paid.

Should an accepted candidate who has paid this deposit withdraw by September 1, \$15 will be refunded. After September 1, \$15 will be refunded only if the student's place is taken by another candidate, or the whole deposit of \$25 may be carried forward as a credit if used within two years.

The College reserves the right to dismiss from a dormitory without rebate any student who becomes a disturbing or unsatisfactory occupant.

TUITION

Regular tuition, including all general privileges, Music Course Ticket, Library privileges, etc., per semester.....\$15

Tuition for students, carrying less than ten units of work, for each such unit, per semester exclusive of above general privileges

A visitor's fee of \$10.00 per course is required from those entering a course of study.

Laboratory fees range from \$2.00 to \$15.00. The exact fee for a given course is stated in connection with the description of that course under *Courses of Instruction*; in advanced courses only does it exceed \$10.00.

BREAKAGE DEPOSITS

Bacteriology and Plant Physiology, \$5.00 each.

Chemistry, \$10.00 for each course taken.

College Residence Halls, \$10.00.

APPLIED MUSIC

For those paying regular tuition:

One-half hour private lesson per week, per semester.....\$

Each half-hour in excess of one per week, per semester.....

For those carrying less than twelve hours of college work, exclusive of work in applied music:

One half-hour private lesson per week, per semester.....

Each half-hour in excess of one, per semester.....

Class lessons in applied music, per semester.....

PRIZES

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PRACTICE FEES

	Per Semester
o, one half-hour daily, \$3.50; one hour daily-----	\$6.00
ND PIANO, one hour daily-----	9.00
T ORGAN, one hour weekly-----	7.50
-MANUAL PRACTICE ORGAN, one hour weekly-----	3.00
L ORGAN, one hour daily-----	9.00
N, CELLO, FLUTE,	
Room without piano, one hour daily-----	1.50

SPECIAL FEES

Application fee, \$2.50.
 for Associated Students, per semester----- 5.00
 This charge is made upon all regular students by action of the
 Associated Student Body. Recognizing the value of the activities
 started by this fee, the College requires its payment and reserves
 the right to approve the budget for which it is spent.
 Graduation fee, \$10.00.

Every student expecting to graduate at the end of any given
 semester must so indicate on his registration card for that semes-
 ter and must include the graduation fee with the payment of his
 other fees at the time of such registration. Failure to indicate
 expectation or thus to pay the graduation fee will auto-
 matically exclude from graduation that semester.

BILLS

College bills are due each semester in advance and must be
 paid by the student at the time of registration. Payment for
 room and board on an installment plan may be arranged in con-
 sultation with the Controller at an extra charge of one dollar for
 extra payment. No refunds are made to those leaving before
 the end of the semester except that in the case of those leaving
 in the middle of the semester because of illness one-half of
 tuition and laboratory fees are refunded and in the case of
 dropping out for good cause within a week of their regis-
 tration all but \$25.00 is returned. No refund is made on a room
 charge unless the room is re-rented to someone not then room-
 ing in a college residence hall.

Students are not given honorable dismissal nor graduated whose
 bills are not paid. Seniors must settle all recognized bills and Li-
 berty obligations by four p. m., of the fourth day preceding
 commencement if they are to receive their diplomas with their

PRIZES

PRIZES

The following prizes are offered for proficiency in the work in the several departments:

ART

THE EUGENE C. CRAMER PRIZES: A first prize of \$15.00 and second prize of \$10.00 awarded for excellence in drawing and design in work presented for the annual exhibition in May. Given by Mrs. Eugene C. Cramer in memory of her husband who was an artist.

ASTRONOMY

THE MONCRIEFF ASTRONOMY PRIZE: A prize given to the student in the first year course in Astronomy, taken regularly in class, whose interest in the study and proficiency in the observatory work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars is given by Miss Flossie C. Moncrieff, '11.

DEBATE

THE DOLE PRIZES: A prize debate upon some subject selected by the faculty is arranged for the close of the second semester. First and second prizes of fifteen and ten dollars, respectively, established by the late Mr. J. H. Dole, in memory of his brother, Mr. W. B. Dole, are endowed by Mr. J. Albert Dole and Mr. A. M. Dole.

DECLAMATION

THE KINNEY PRIZES: A prize declamation contest, open to members of the Freshman class, occurs near the middle of the year. First and second prizes of fifteen and ten dollars, respectively, are endowed by Mrs. H. N. Kinney.

ECONOMICS

THE VAILE PRIZES: Prizes for the best essay or oration on the general subject of Agriculture in Southern California open to the Junior and Senior classes, were endowed by the late Charles S. Vaile. At present first and second prizes of twenty and ten dollars respectively are offered.

ENGLISH

THE JENNINGS PRIZES: Eight prizes awarded at the end of each semester to Freshmen taking English A1, to the two men and the two women showing the best mastery over written and oral expression and also two to the men and two to the women showing the most gain during each semester in these respects. The total amount of the prizes is \$600.00, the gift of Mr. Jennings of San Diego.

PRIZES

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GENERAL

THE RENA GURLEY ARCHIBALD HIGH SCHOLARSHIP PRIZE: A prize of fifty dollars to be awarded to that member of the graduating class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Reverend Andrew W. Archibald, D.D.

LATIN

THE MUDGE LATIN PRIZES: Prizes for excellence in Latin, first and second prizes of ten and five dollars, respectively, endowed by friends of the College.

MATHEMATICS

THE LLEWELLYN BIXBY MATHEMATICS PRIZE: A prize for excellence in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15. A prize of fifty dollars is given by Mr. Llewellyn Bixby.

MUSIC

THE BARBARA SANFORD ALLEN PRIZE: An annual competitive prize of fifty dollars to be awarded to a Pomona College student in the department of music. This award is made possible by the generosity of the friends and parents of a graduate of the Class of 1915 of Pomona College.

PHYSIOLOGY

THE LORBEER PRIZES: Prizes for the best essay on the subject, "How to Keep Well"; open to all who take the course in Physiology. First and second prizes of fifteen and ten dollars, respectively, are offered by Dr. Thomas L. Lorbeer, '03.

RELIGION

THE HAGER PRIZES: Prizes for the best essays on a foreign literary subject, open to all students were endowed by the Mr. and Mrs. C. R. Hager. At present first and second prizes of twenty and ten dollars respectively are offered.

DEPARTMENTAL SCHOLARSHIPS

ART

HANNAH TEMPEST SCHOLARSHIP FUND OF \$5,000. Income divided equally between a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

MILITARY

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrolment in the advanced course of the Reserve Officers' Training Corps. Students

dents enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a six weeks' summer training camp. In consideration of this agreement, students receive from the government cash allowances equivalent to scholarship about \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for admission is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average record in military training in R.O.T.C. units of preparatory schools will be given consideration in the selection of those to whom these scholarships will be awarded.

MUSIC

THE KATE CONDIT BRIMHALL MEMORIAL MUSIC SCHOLARSHIP FUND, \$2,000. Given by the late Mr. and Mrs. A. P. Condit.

SPECIAL SCHOLARSHIPS

KAPPA DELTA HONOR SCHOLARSHIP ENDOWMENT OF \$2,000. Given by members of Kappa Delta Fraternity.

The income from this endowment is supplemented by individual pledges to yield a scholarship of \$250, administered under a special committee. Awarded to a man at the beginning of his senior year.

THE FLORA SANBORN PITZER MEMORIAL SCHOLARSHIP. \$500 per year from The Sanborn-Pitzer Foundation established by Flora K. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

GENERAL SCHOLARSHIPS

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to make awards to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in college community.
- (3) Physical vigor as shown by interest in outdoor sports or in other ways.

The preferred applicant will excel in all three of the categories listed, but in the absence of such preferred combination the

may select an applicant who shows distinction in the first over an applicant who shows a lower degree of promise and excellence in all. In any case interested participation in activities which sustain physical well-being constitutes an essential qualification, though superior skills and excellence in such matters are given undue weight.

Before making application to the Committee on Scholarships, applicants who are not already students in Pomona College must apply for admission to the College with the Committee on Admissions (fee \$2.50). In the case of freshmen it is ordinarily expected that they will not have attended any other college or university. Exceptions to this rule require special committee action. Each applicant for a scholarship shall be endorsed by the principal of the school from which he comes, and will be required to pass competitive examinations. The examinations for Freshmen will be held on Saturday, December 7th, 1935. The examinations for Junior College transfers will be held on Saturday, March 14, 1936. The Committee on Scholarships reserves the privilege, in case of doubt, to require further, any special evidence, by examination or interview, which it may deem necessary to determine the candidate's fitness.

SCHOLARSHIPS FOR NEW STUDENTS

FRESHMEN

The following scholarships are available for candidates for admission to the Freshman Class in the academic year 1936-37, half stipend being available for the first semester and half for the second:

Four Scholarships of Five Hundred Dollars each, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Dollars each, open to both men and women; two from the Thomas J. Dowling Fund and two from the Margaret Burton Harwood Memorial Fund.

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women: One of these is from the Henry G. Brainerd and Fannie Howard Brainerd Memorial Fund.

For the two following groups, the award becomes available to the student after payment of tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory:

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women.

SCHOLARSHIPS

Four Scholarships of One Hundred Fifty Dollars each, for men and two for women, who are nominated for the by the California Scholarship Federation.

Applications for above freshmen scholarships, 1936-37, shall be made on regular scholarship application blanks and should be filed with the Committee on Scholarships by November 15, 1936.

Announcement of awards will be made on or before February 15, 1936.

JUNIOR COLLEGE TRANSFERS

The following scholarships are available for candidates Junior College men or women in the academic year 1936-37, of the stipend being available for the first semester and half the second:

One scholarship of Three Hundred Dollars, available to incoming transfers from junior college on the Margaret Burton Harwood Memorial Fund.

Two scholarships of One Hundred Fifty Dollars each, available to incoming transfers from junior college.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory.

Two scholarships of One Hundred Fifty Dollars each, available to incoming transfers from junior college, who are recommended for the same by Alpha Gamma Sigma.

Five scholarships of One Hundred Fifty Dollars each, available for incoming students of sophomore or junior standing from among the best qualified applicants for admission.

Applications for above advanced standing scholarships shall be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before March 1, 1936.

Announcement of awards will be made on or before June 1, 1936.

SCHOLARSHIPS FOR MATRICULATED STUDENTS

Twenty-one awards of One Hundred Fifty Dollars each, available on a semester basis for matriculated students, men and women, in any class, during the academic year 1935-36. Of these fifteen are from the Olivia Phelps Stokes Scholarship Fund and three are from the Margaret Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the first semester and ten for the second semester, either upon application to the Committee or upon selection by the Committee from the whole number of those eligible.

Scholarships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships should reach the Committee on Scholarships before May 15th for the first semester of the following academic year and before January 15th for the second semester of the current academic year.

FELLOWSHIPS

The following award may be made for 1936-37 if qualified applicants appear. Applications should be in the hands of the Committee on Scholarships by February 1, 1936.

One WILLIAM LINCOLN HONNOLD FOUNDATION fellowship with a stipend varying from eight hundred to fifteen hundred dollars, as determined by the committee of award, according to circumstances; open normally only to students who have done two or more full years of work in Pomona College, who are rated in the upper half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to continue their studies either in Claremont Colleges or elsewhere in America or abroad.

Should the student selected waive the emolument, the stipend shall be paid to the candidate next in rank, while the first student shall be designated Honorary Honnold Fellow for the year.

The appointment will be for one year, but satisfactory work and conduct may earn a renewal, so that a really successful candidate may enjoy the fellowship for two or possibly three years, and at the same time a new appointment may be made from the graduating class each successive year.

The prime purpose of the fellowship is to promote scholarship rather than merely to reward faithful classroom work. Preference will be given to candidates preparing for creative rather than professional work, and the selection will be based not on scholarship only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character. The choice of the institution for graduate work shall be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of each year of tenure, each Honnold Fellow is to make a report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has

been residing, his plans for the immediate future, and recommendations for the further development or improvement of fellowship plan.

OTHER AWARDS

The Committee on Scholarships also nominates student Pomona College who wish to apply for awards by other institutions and foundations. Those who seek nomination to the Rhodes scholarships should advise with the Committee on Scholarships.

GRANTS IN AID

The income of certain funds is used towards paying the tuition fees of students who are in pecuniary need. Such aid is given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in their attendance upon college exercises, and who maintain, at the first semester of the Freshman year, at least "C" grade in their scholastic work.

Aid may be withdrawn at any time from students who have not to have conformed to the conditions.

As a rule recipients of grants in aid will be asked to render service to the College in exchange.

If a student who has received a grant in aid transfers to another institution before graduation, the total sum granted him by Pomona College shall become a loan, repayable according to the terms applicable to regular student loans.

The College aims to realize the ideal that no student who is of graduation should withdraw ahead of time for purely financial reasons. To that end the Administration welcomes the opportunity to confer with students who need assistance.

Grants to incoming students are available only after they have successfully completed one semester's work in the College. Applicants for admission who desire a grant should write to the Chairman of the Committee on Student Aid, transmitting two letters, one from parent or guardian and the other from principal or teacher, giving information concerning need, character and attainments.

All applications for aid should be made before May 1st for the first semester of the following academic year and before January 15th for the second semester of the current academic year. Address Committee on Student Aid, Sumner Hall.

STUDENT AID FUNDS

GENERAL

THE FRANCIS BANCROFT MEMORIAL FUND, \$1,500. Given by Mrs. James T. Ford of Los Angeles, California, in memory of her father.

THE BARROWS FUND OF \$2,500. Given by L. H. Barrows of Pasadena, California.

THE H. G. BILLINGS MEMORIAL FUND, \$1,000. Given by Mrs. A. Billings of Los Angeles, California, in memory of her husband.

THE FLORENCE G. BIXBY FUND, \$5,000. Given by Florence G. Bixby of California.

THE BRISTOL MEMORIAL FUND, \$400. A fund raised as a memorial to the Reverend Sherlock Bristol.

THE BESSIE A. BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of Bessie A. Brown.

THE HENRY HERBERT BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of her son.

THE CLASS OF 1918 FUND OF \$961.78. Given by the Class of 1918.

THE CHARLES C. CRAGIN MEMORIAL FUND, \$5,025. Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles Cragin.

THE AGNES K. CRAWFORD MEMORIAL FUND, \$1,000. Given by Mrs. R. Crawford and William Crawford, in memory of their daughter.

THE CLUB OF POMONA STUDENT AID FUND, \$1,000. Help, preferably, a girl.

THE ELWOOD FUND OF \$2,600. Given by Mary E. Elwood of Upland, California.

THE FORD FUND OF \$2,500. Given by Rev. James T. Ford of Los Angeles, California.

THE FOWLER FUND OF \$1,000. Given by Mrs. Margaret Fowler of Pasadena, California.

THE ORREN A. GORTON FUND OF \$5,000. Established by the will of Orren A. Gorton of Sherburne, New York.

THE EMMA K. GUILD FUND OF \$44,337.14. Given by Emma K. Guild of Claremont, California.

THE MANETTE HAND MEMORIAL FUND OF \$1,500.

THE ALFRED JAMES HARWOOD MEMORIAL FUND, \$8,000. Given by Alfred P. Harwood of San Dimas, in memory of his son.

THE CHARLES E. HARWOOD FUND OF \$5,000. Given by Charles E. Harwood, LL.D., of Upland.

STUDENT AID FUNDS

THE THOMAS F. HOWARD "MEMORIAL SCHOLARSHIP FUND" \$3,500. Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.

THE MARY MARVIN JANES FUND OF \$296.93. Given by Mary Marvin Janes of Pasadena, California.

THE KUNS FUND OF \$2,000. Given by Henry L. Kuns of Verne.

THE LOOMIS FUND OF \$2,000. Given by Miss Jean Loomis,

THE HOWARD J. MILLS MEMORIAL FUND OF \$3,000. Given by Mrs. Howard J. Mills of Los Angeles, California, in memory of her husband.

THE ONTARIO CONGREGATIONAL CHURCH FUND, \$186.50. Given by the Ontario Congregational Church towards the endowment of a fund.

THE PAGE FUND OF \$5,000. Given by Mrs. Loraine H. Page, Pomona, California. (Three thousand dollars of this may some time be used for other purposes.)

THE ARTHUR WARREN PHELPS MEMORIAL FUND, \$2,000. Given by Mrs. C. S. Phelps and Mr. C. A. Phelps, in memory of their son and brother.

THE LYDIA PHELPS MEMORIAL FUND, \$4,000. Given by Henry E. Phelps of Ontario, California, in memory of his wife.

THE PILGRIM CHURCH OF POMONA FUND, \$1,667.44. Given by the Pilgrim Congregational Church of Pomona.

THE PILGRIM CHURCH WOMEN'S AUXILIARY FUND, \$500. Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.

THE JOHN D. POTTER MEMORIAL FUND, \$2,000. Given by Mr. S. T. Potter of Westboro, Massachusetts, in memory of his husband.

THE SEARING FUND OF \$1,800. Given by Dr. Anna H. Searing of Escondido, California.

THE WALTER O. SHATTO MEMORIAL FUND, \$4,000. Given by Mrs. Clara R. Shatto in memory of her husband.

THE CLYDE H. SHIELDS MEMORIAL FUND, \$1,200. Given by R. P. Shields of San Diego, in memory of his oldest son, who was drowned in 1894, when about twenty-one years of age.

THE SWEET MEMORIAL FUND OF \$2,500. Given by Harlan Sweet in memory of his wife, C. Nell Sweet.

THE THATCHER FUND OF \$6,000. Given by Miss Susan Thatcher of San Diego.

THE WARDWELL FUND OF \$1,000. Given by Mrs. Maria T. Wardwell of Plymouth, Connecticut.

LOAN FUNDS

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THE CLARA B. WATERMAN MEMORIAL FUND OF \$5,000. Given by Miss Rosa May Bennett of Los Angeles.

THE WEST FUND OF \$2,000. Given by Henry S. West of Los Angeles.

SPECIAL

"ROMBIE ALLEN SCHOLARSHIP FUND" OF \$1,000, half of the income available annually to a graduate of *Chaffey Union High School* and half to a graduate of *Chaffey Junior College* of Ontario, California.

THE MARTHA E. BERRY MEMORIAL FUND OF \$5,000. Given by Miss Elizabeth E. Berry. For foreign students.

THE MABEL S. BRIDGES MEMORIAL FUND, \$3,500. Given by Mr. and Mrs. A. S. Bridges of San Diego, California, in memory of their daughter. Available for women.

THE RICHARD POORBAUGH EDMUNDS MEMORIAL FUND, established by Mr. and Mrs. C. K. Edmunds and Miss Elizabeth Edmunds as a memorial to their son and brother, provides tuition for a student in the upper division.

"ALICE PAUL HARWOOD SCHOLARSHIP FUND" OF \$5,000. Open to graduates of *Chaffey Union High School* of Ontario.

THE TELLA M. KING SCHOLARSHIP AND LOAN FUND FOR WOMEN," \$10,000.

Three grants-in-aid, provided annually by REVEREND M. D. KNEEDER, D.D., of Claremont, of \$200 each, are available for bona fide new candidates for professional Christian service, either in the pastorate or in foreign mission fields—\$150 for the first semester and \$50 for the second.

THE FRANCIS M. PRICE FUND OF \$1,000. For children of missionaries.

LOAN FUNDS

The College also administers loan funds established by the bequest of Ellen H. Lyman and by George H. DeKay, Jr., in memory of his brother Frelin Campbell DeKay. By means of these funds, it is possible to co-operate in a moderate way, and temporarily, with the pressing needs of students.

THE RAY LOAN FUND made possible by the gift of \$1,000 by Mrs. E. F. Ray provides a means of meeting situations of temporary need.

THE LUCY B. JENCKS MEMORIAL STUDENT LOAN FUND OF \$160, established by the Claremont Chapter of the D. A. R., available to a senior girl to be designated by the Dean of Women.

For more substantial loans over a longer period, the College administers the following funds on an interest bearing basis:

THE CAROLINE PHELPS STOKES FUND, endowed in the sum of

ADMISSION

\$25,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister.

THE ETHAN ALLEN CHASE AND AUGUSTA FIELD CHASE MEMORIAL FUND OF \$5,000, for men.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

SELF SUPPORT

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many thus helping themselves by various forms of labor such as janitor work, waiting on tables, general house work, gardening and like. The most desirable positions are in general secured by upperclassmen who have proven themselves good workers and good students, and those coming to the College for the first time should be content if any work which they can satisfactorily obtain is secured for them. Students in any case should come prepared to pay all bills for at least one semester. Their record during the first semester will be a large factor in deciding what opportunities for self-help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

ADMISSION

PREPARING FOR COLLEGE

The College welcomes tentative applications from prospective students a year or so in advance and is glad to offer suggestions regarding the best preparation for admission.

Any person interested in preparing for Pomona, or any Principal, Vice-Principal or Counsellor who is responsible for directing the preparatory programs of students is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific programs. It is often possible for students to select work in their final high school years that will add greatly to their ability to do college work. The Director of Admissions is glad to cooperate with the preparatory schools in planning satisfactory programs for any individuals, whether or not they are Pomona College applicants.

Anyone interested may have his records evaluated at any time. By having this done early subsequent admission difficulties may be avoided.

For further information, write to Director of Admissions, Warner Hall, Pomona College, Claremont, California.

GENERAL REQUIREMENTS AND METHODS OF ADMISSION

As much as the College expends on its educational work twice as much as it receives from tuition fees, thus making an investment of three hundred dollars a year in every student admitted to its halls, the College naturally is justified in rendering this privilege only to those who are properly qualified to profit thereby in their own development and in their subsequent service to society.

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College assignments. Any student who falls below grade in scholarship, or, for any reason, in the judgment of the faculty or its committees, is felt not to be a desirable member of the student body, may be dismissed without specific charges.

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the student's participation in the college atmosphere and life. It is important, therefore, that all absence through the college year be avoided. Some of the most important of the college years are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

It is the purpose of Pomona College to do a distinctly high quality of work, thus preparing its graduates for special achievement in whatever later callings they may choose. While Pomona College emphasizes the value of a broad general training as preliminary to the highest achievement in any professional field, it offers such a variety of courses that many students readily find the desired combination which constitutes a definite and adequate preparation for later professional training in a special field such as medicine, law, engineering, scientific research, religious or social service, teaching or other fields. Candidates for admission are expected to present satisfactory evidence of their fitness for college, both in character and in scholarship.

Each application should be accompanied by a fee of two dollars and fifty cents.

A medical examination conducted by an authorized physician,

under the direction of the College, is required of all students.

An applicant for admission, immediately upon receipt of notification of acceptance, is required to make a deposit of twenty-five dollars. See page 31.

ADMISSION TO FRESHMAN STANDING

Applicants are admitted to freshman standing in accordance with one of the following plans:

Plan I. Certificate of graduation from an approved secondary school showing either:

- A. Fifteen recommended units accumulated during 9th, 10th, 11th and 12th grades; or
- B. Twelve recommended units accumulated during 10th, 11th and 12th grades.

Plan II. Certificate of graduation from an approved secondary school showing either:

- A. Twelve recommended units accumulated during 9th, 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
 - 1. A personal letter from the proper official of school from which the candidate graduated, or graduating; and
 - 2. A satisfactory achievement in specified scholastic aptitude tests; or
- B. Nine recommended units accumulated during the 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
 - 1. A personal letter from the proper official of school from which the candidate graduated, or graduating; and
 - 2. A satisfactory achievement in specified scholastic aptitude tests.

Note: Certificate of having successfully passed examinations as given by the College Entrance Examination Board will be accepted as the equivalent of secondary school units in subjects covered by such examinations. These examinations are given at stated times and places; information regarding details may be secured from the Director of Admissions.

III. Examination by the College.

ADMISSION TO ADVANCED STANDING

Students who transfer from a Junior College, or from another College or University, and who have sufficient credit therefrom, may be admitted to advanced standing on credentials signed by the proper officials. These credentials should give full particulars regarding the nature of the courses taken, the time spent in each, and the student's final grade in the same.

THREE YEAR PROGRAM OF JUNIOR COLLEGE GRADUATES

Recognizing the increasing demand on the part of many Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to the Bachelor's degree rather than a two-year program leading to the Bachelor's degree, Pomona College wishes to announce that it is prepared to arrange such a procedure and welcomes inquiries from those who are interested.

ENTRANCE SUBJECTS

The only specific requirement is at least 3 units of English. In addition to this, applicants will find it advantageous to present the following: at least 2 units of one foreign language; 1 unit of history, algebra, geometry, and laboratory science; and 3 more units of electives from the following subjects: English, foreign language, history, mathematics and laboratory science.

In advanced work in most fields, a reading knowledge of at least one modern foreign language is necessary, usually French or German. In some fields, a command of both is desirable. It is much to the advantage of the student to acquire this reading knowledge before entering college. Students who are planning to do advanced work in the Physical Sciences or in Mathematics, should well to take both Trigonometry and Solid Geometry in High School if possible.

ADMISSION AS SPECIAL STUDENTS

Future students, particularly those equipped for advanced work in special departments, may be admitted as special students to courses for which, by ability and preparation, they may be qualified. Special students are not candidates for a degree.

PRE-REGISTRATION AND REGISTRATION

Appointed days, on or before the first Saturday in June, *all*

resident students must fill out a schedule listing their choice of subjects for the following year.

New students prepare a program of study on announced at the opening of each semester.

Registration is completed by the payment of tuition and on one of the regularly announced days preceding the opening of the class work of each semester.

The fee for late pre-registration or late registration is \$2.00 the first or second day following the appointed days, and \$1.00 additional for every day thereafter to a maximum of \$10.00.

CHANGES IN REGISTRATION

A student has the privilege of modifying his schedule of study by addition or substitution of courses, with the assent of his adviser and the instructor concerned, at any time within two weeks of the beginning of class work. A student may drop a course with the consent of his adviser and without penalty, within one month following the beginning of class work. Thereafter, dropping of a course by a student shall entail for him a grade of FF for the course, except as circumstances may, in the judgment of the instructor and the Classification Committee, warrant a different grade.

The fee for each change of schedule is one dollar (\$1.00). This is waived in the case of new students, registering for the first time.

Students are admitted to those courses only for which they are formally registered.

Students are not received later than two weeks from the beginning of class work.

MATRICULATION

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end, the standing of all new students is provisional until after they have been in residence for one semester. At that time those are matriculated who have shown themselves in accord with the spirit of the College and who have done a satisfactory quality of work during their semester of residence.

Matriculants must have carried the work of their first semester of residence without incurring any FF grades, and they must, if Freshmen, have earned at least 24 grade points, and if So-

es or Upperclassmen, at least twice as many grade points as number of units for which they were registered. Students in class carrying less than 12 units must have made twice as many grade points as the units for which they were registered. Students failing to matriculate at the end of the first semester residence may be matriculated only after they have met all the requirements for two semesters.

Students are not candidates for a degree nor are they eligible for recommendation to college standing in another institution unless they have matriculated. All students must be matriculated before attaining to Junior standing.

SUPERVISION OF SCHOLARSHIP

Amount:

The College regulates the amount of work a student may carry as follows:

For 16 units of academic work, exclusive of Physical Education (Gymnastics, Sports, Activities*) Military Drill* and Choir,* is the general registration and the maximum for Fresh-

To register for 17 units, exclusive of work stated in the preceding paragraph, a student must have earned 32 more grade points than the total number of units for which he registered the previous semester; to register for 18 units, 40 more grade points. To register for less than 12 units of academic work requires special permission.

Quality:

A student is expected to secure each semester twice as many grade points as the total number of units of registration.

At the end of the first month of each semester, and also at or about the middle of each semester, a report is made of all students showing failing or unsatisfactory work for the period preceding the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good scholastic standing. Advisers and faculty receive such reports and take such steps as are advisable in each individual case.

At the end of each semester a complete report is made on every student. This report becomes part of the student's record and

The semester hour value of each of these is as follows: Phy. Ed., 1½; Mil. Drill, ½; Choir, 1.

indicates the semester's standing in the courses for which he been registered.

Whenever the quality of a student's work declines to such extent that his graduation in due course seems improbable, he his parents are so informed, and he is advised to withdraw. Decision in every such case is reached by the joint action of College Life and Classification Committees in consultation with the student's adviser. The college may at any time require withdrawal of a student if the quality of his work seems to warrant such action.

Withdrawing From a Class:

Students may withdraw from classes only through authorization from the Registrar's Office. This authorization is sent to the office directly to the instructor.

Faculty Dropping Students:

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at any time later than six weeks from the beginning of the course. The student's class card, with a grade of either FF or W for the course, and an annotation reporting the fact of his having been dropped, shall be turned in to the Registrar's Office.

Class Attendance:

Students are expected to maintain regular attendance at class appointments in the courses for which they are registered. Irregular attendance usually results in low scholastic standing and failure.

Instructors in "C" and "D" courses are at liberty to conduct their classes upon the basis of voluntary attendance in those where the classes are made up wholly of upper division students. In "C" and "D" courses in which other students are involved, the Classification Committee has power to extend the voluntary procedure.

Attendance at classes of students who are candidates for honors may be voluntary at the option of the instructor concerned.

Final Examinations:

Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty. Regulations for the Degree with Honors, see pages 52-55.

The schedule of final examinations is prepared by the Courses of Study Committee. No changes of classes from this schedule may be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee and the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Classification Committee.

The teacher may, at his discretion, appoint a time at which an advanced test missed or not passed may be made up. Before a test can be taken, a receipt from the Business Office for a payment of a fee of one dollar (\$1.00) must be presented to the instructor by the student, unless this fee is remitted by the Classification Committee.

Trips:

Field trips are looked upon by the faculty as a legitimate part of certain courses. Permission for such trips is secured by the instructors from the Courses of Study Committee at the opening of each semester. Instructors certify to the Registrar's Office the names of students participating in these trips.

MANUAL OF PROCEDURE IN HONORS STUDY

HISTORY

Prior to the academic year 1924-1925 Pomona College awarded honors at graduation on the basis of weighted grades. In the fall of 1924 a program of Reading for Honors in appropriate departments was added for a few students with special aptitude. The work of such students culminating in final comprehensive examinations. Beginning with the academic year 1927-1928 honors based on grades alone ceased to be given, and a special arrangement of courses and other directed study was substituted leading to the degree with honors. Beginning with September 1931, the rules and regulations set forth in this manual replaced the previous procedure with respect to candidacy for the degree with honors.

ADMINISTRATION

The administration of the routine involved in attaining the degree of Bachelor of Arts with honors is vested in a special committee of the faculty known as the Committee on Honors. This Committee alone has power to certify to the Registrar the candidates for the degree with honors.

REQUIREMENTS FOR CANDIDACY

It is expected of a candidate for the degree with honors that he exercise initiative in his academic work; (b) that he pursue scholarship and curricular activities consistently first among his interests; (c) that he maintain a high standard of scholarship in the division of the curriculum in which lies his field of concentration, maintaining at the same time a satisfactory record in other work; (d) that during vacations he pursue programs of reading and study; and (e) that he seek to attain a broad and thorough understanding of his field of concentration. Candidacy for the degree with honors may be continued only so long as the candidate maintains a quality of work and an attitude toward study such as will justify recommendation for the degree with honors at graduation.

REGISTRATION

FRESHMAN-SOPHOMORE ASSOCIATES

Freshman or Sophomore may associate himself with the program of the College by making a declaration of intention upon his registration card. This should be duly approved by adviser or by the head of the department in which he plans to study. Freshman and Sophomore Associates may attend the regular autumn and spring gatherings and other group meetings of students who are candidates for honors.

REGISTRATION FOR GENERAL HONORS

At any time between the end of sophomore year and the beginning of senior year a student may become a candidate for the degree with honors. Ordinarily there will be concentration under sponsorship of some department or division. In some cases the committee will accept a *special program* which cuts across departmental, or even divisional, lines.

A student desiring to become a candidate for the degree with honors should obtain an application blank from the Registrar. The application, together with a plan of study, both approved by the student's department (unless a special program is planned), should be filed with the secretary of the Committee on Honors for the final registration for the semester in which the student's honors work is to begin. The application can be accepted only if the student has fulfilled his department's (or division's) requirements for candidacy. A list of these requirements can be obtained from the secretary of the Committee on Honors.

REGISTRATION FOR DEPARTMENTAL DISTINCTION

Each year a few students are accepted as candidates for the degree *with distinction in a particular department*. There are no requirements common to all departments, for each department selects and administers its own program subject to the general oversight of the Faculty under the terms of this manual.

SEMESTER REGISTRATION

Before final registration each semester, the candidate's card should be approved (a) by his adviser, acting for the department of registration, and (b) by the secretary of the Committee on Honors.

PROCEDURE IN HONORS STUDY

NUMBER OF CURRICULAR UNITS

A candidate for the degree with honors may graduate on basis of a registration of 12 curricular units per semester during the period he is registered as a candidate for honors.* Some departments insist upon this basis of registration; others, for some of their candidates, advise definite registration for fifteen units. A candidate who has been accepted in some field of concentration may register for a minimum of 9 curricular units with the approval of the department or the division concerned and of the Committee.

In senior year a candidate for the degree with honors who is also the degree with distinction in a specific field may register for less than 9 curricular units in view of special aptitudes. A thesis or its equivalent is required of such a student.

WITHDRAWAL

A student registered for the degree with honors may withdraw from candidacy on favorable action by the Committee, and the Committee itself may withdraw a student from candidacy, but in senior year the status of a candidate may be changed only on action of the Faculty. If, for any reason, a candidate leaves honors status, the Committee, in consultation with the department or division concerned, certifies to the Registrar the credit to which the student is entitled for the work done under supervision.

ADVISERS

Each candidate at the time of his registration for the degree with honors is assigned an adviser recommended by the department, division or other sponsoring body, and accepted by the Committee. Although a candidate proceeds on his own initiative, he confers regularly with his adviser concerning all his work, particularly that not covered by formal courses in the College. The adviser is expected to keep himself informed as to the progress of the candidate. The candidate's registration card each semester must bear the adviser's signature.

EXAMINATIONS

Prior to his senior year each candidate for the degree with honors takes final examinations in courses outside of the department of his concentration; in Senior year such examinations may be omitted at the option of the instructor. From final courses

*Exclusive of Military Drill, Choir and required courses in Physical Education.

ations in the department of his concentration he may be extended at the discretion of the department concerned.

A candidate for the degree with honors may concentrate only under sponsorship which provides written comprehensive examinations, during senior year. The date of these examinations is determined by the sponsoring body which also sets the questions and conducts the examination, under the general supervision of the Committee on Honors. It is proposed through these examinations to take the measure of each candidate's abilities and to determine the quality and range of his scholarship and his insight as they are revealed in his grasp of the field of concentration. A copy of the paper set for each final comprehensive examination is sent to the Committee on Honors that it may review the paper and advise the examiners as to its adequacy in relation to the honors program.

A student who seeks departmental distinction takes in addition to the above comprehensives an oral examination conducted by a committee of at least three, one of whom is the candidate's advisor. The other members are appointed by the Committee in consultation with the department concerned, and one of the examiners is usually from some other institution. The purpose of the oral examination is to supplement the examinations previously mentioned, and it is therefore expected to cover the entire scope of the candidate's field of concentration.

CREDIT

At the end of a candidate's senior year the Committee, after consultation with the department or division concerned, certifies to the Registrar the credit to which the candidate is entitled for work done under its supervision.

GRADUATION

In the case of a candidate who qualifies for the degree with honors the Committee certifies to the Registrar the particular type of honors, *with honor*, *with high honor*, or *with highest honor*, to be recorded upon him.

In the case of a candidate who qualifies for the degree with departmental distinction the Committee, on the recommendation of the department concerned, certifies to the Registrar the honor of distinction in "_____ (i.e. subject).

These types of honors are announced upon the Commencement program and recorded upon the graduates' diplomas.

REQUIREMENTS FOR DEGREE

DEGREE OF BACHELOR OF ARTS

The courses of study offered lead to the degree of Bachelor of Arts under the following requirements:

UNIT REQUIREMENTS

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation period, or one laboratory period a week for one semester. A recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in four years one must take an average of fifteen units of academic work per semester throughout the four years.

GRADE POINT REQUIREMENTS

In order to graduate a student must not only earn a certain number of units, but also attain an average of at least C grade for those units. To this end a certain number of grade points is assigned to each grade as a basis of determining average grade. The scale is so adjusted that the number of credits required for graduation coincides with double the number of units.

GRADES AND GRADE POINTS

1. Grades and grade points are as follows:

GRADES	GRADE POINTS PER UNIT
A	4 (excellent)
B	3 (very good)
C	2 (average)
D	1 (passing)
F	0 (failure) may be made up to a grade outside of class
FF	0 (failure) may not be made up to a grade by repeating course
I (Incomplete)	
W (Withdrawn with permission while work was of poor grade or better)	

2. The F grade and the FF grade both indicate a failure. In the case of the F grade the failure incurred may be made up to a grade outside of class upon conditions laid down by the teacher, provided the conditions are met on or before the first day after the Spring recitation, if the failure is incurred in the first semester,* or on or before the first day of recitation of the next College year, if the failure was in the second semester. An F grade made up thus may not be raised above a D grade. An F grade not so made up may not be raised above a D grade.

*F or I grades incurred during the first semester of year one may be removed on the recommendation of the teacher concerned by the successful completion of the work of the final semester.

anently upon the records as a failure. A FF grade can be made by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated next offered. A student may not continue with work in which he has received a FF. The making up of work which has received an F or FF grade does not expunge the grade from the record. It does not permit credit and "grade points" for the course.

All F and FF grades reported by teachers are accompanied with a specific statement in writing of the cause for the failure and a remedial statement in case of the F grade of the work necessary for removal. A copy of this statement is mailed to students.

The I mark is given where illness on the part of a student justifies the granting to him of additional time for the completion of his work. It may be changed upon the same conditions as those set down for the making up of the F grade, with this exception, other than a D grade may be thus earned.* Teachers wishing to give an I grade for other justifiable cause than illness must receive permission to do so from the Classification Committee.

The mark W is used where a student has withdrawn from a course in accordance with provision on p. 48.

CHOICE OF SUBJECTS

In the selection of his work the student in Pomona College is afforded a large range. The only limitations are such as will insure a balance, on the one hand, the breadth of view which may be gained from an introductory study of each of the great realms of knowledge; on the other, that concentration along some chosen line of study which shall develop power of thought and an actual fund of knowledge in some particular field. To this end the following special requirements for graduation have been approved. Each regular student in residence in Pomona College shall register not less than half of his registration each academic year from subjects in Pomona College.

*Foot-note on preceding page.

GENERAL REQUIREMENTS FOR GRADUATION

I. FOR THE LOWER DIVISION

1. Four units (semester hours) of Physical Education (Active).
Note: For two of these units work in Military Science may be substituted.
2. At least one course (two semesters) in each of five of the following divisions (I-VII), no one of the groups (A,B,C) passed over.

Group A.

- Division I. Art; Music (Theory and Appreciation).
- II. English; Public Address.
- III. French; Italian; Spanish; German; Greek; Latin.

Group B.

- Division IV. Biology; Botany; Zoology.
- V. Mathematics; Chemistry; Physics; Astronomy; Geology.

Group C.

- Division VI. Economics; Education; History; Political Science; and Law; Sociology.
- VII. Philosophy; Psychology; Religion.

3. Courses at student's choice in any of the above named divisions, in Military Science, and in Physical Education to make up a sum total of 64 units.

II. FOR THE UPPER DIVISION¹

1. Two units (semester hours) of Physical Education (Active).
2. Sixty other units, election subject to the following principles of distribution:
 - a. Each student shall complete during each semester of Junior year at least one course (not less than 2 units) in each of three departments.
 - b. Each student shall complete for graduation not less than 30 units of C and D work.

These General Requirements are designed to protect the student against gross errors in shaping his collegiate program, especially in the selection of courses.

¹Prior to graduation, all students are required by the laws of the State of California to pass a course or an examination in the Constitution of the United States. This requirement may be met by Political Science A1, B3b, C101, C104, D114, History D419, D125.

Those students who have not completed the Constitution requirement for graduation by course or by examination on or before the opening day of senior year will be required to register for a meeting the requirement during the first semester of senior year, save as exceptions may be made by action of the Classification Committee.

g the Lower Division years; they intentionally leave him a deal of freedom to shape his course of study according to his best. In the exercise of this freedom it will be the part of wisdom for him to take advantage of the working organization of the regular program into sequences of courses, departments and divisions, looking upon these things as aids of which he, as student, may avail himself in the process of securing an education. Courses, however, are merely aids toward, not substitutes for, reading, discussion and independent study.

In the evaluation of all academic exercises the quality of English by the student will be weighed together with the soundness and soundness of his thinking. Before any student is accepted to a division standing he must satisfy a committee of the College of his ability habitually to use English of good quality. A student whose English is persistently slovenly or unacceptable may therefore be withdrawn from candidacy for a degree at the next ensuing enrollment if his deficiency recurs as late as the middle of his senior year.

Responsibility for raising the level of a student's habitual use of English lies solely with himself, inasmuch as it is not the policy of the College generally to undertake the teaching of basic secondary subjects. Moreover, since no specific course or courses in English are now required for graduation, students who have weakness in expressing themselves in their mother tongue should bear in mind the value of certain important courses offered by the Department of English.

THE PROGRAM OF STUDIES

To each student the College strongly recommends the shaping of a program of studies that will mean (1) by the end of the Sophomore year, an intelligent orientation in as many as five of the great fields of learning corresponding to the "divisions" (I-VII) of the statement of Requirements for Graduation, and (2) during the Junior and Senior years, a relative concentration of effort in one of those fields, such a concentration as is needful for the effective organization of one's Collegiate program as a whole.

CONCENTRATION IN SPECIAL FIELDS

For the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and lines of procedure have become established:

Lower Division Preparation: There must be sufficient work in the special field and in allied fields to ensure adequate preparation for carrying successfully the work of the Upper Division.

Upper Division Requirement: Not less than eighteen hours of work in the field of concentration; of these eighteen hours must be of D rank, and six of them must be taken during the Senior year.

60 GENERAL REQUIREMENTS FOR GRADUATION

3. Foreign Language: For advanced work in most fields reading knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of both is most desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college.

4. Comprehensive Examination: In most divisions of the college the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which concentration lies.

5. Adviser: That member of the faculty in whose field the student is working intensively becomes the student's official adviser during his Junior and Senior years. It will be well for the student to consult his prospective adviser even earlier in his course.

The application of these ideas involves to such a degree a recognition of differences between fields of learning and between individualities of students that no summary statement of them should be thought of as complete. The attention of those interested in special fields is therefore directed to the following more extended presentations of the work of the respective divisions. In addition, certain pre-professional courses are also presented in outline for the benefit of students who look toward teaching, engineering, or medicine.

Most of the statements made in connection with concentrations should be read as suggestions rather than as rigid regulations. The degree of emphasis attached to each such suggestion will be determined for the student by his adviser.

DIVISION I—FINE ARTS

(DEPARTMENTS OF ART AND MUSIC)

courses in the history, appreciation, and theory of art and are offered by the College as contributions to personal culture and receive credit toward the Bachelor of Arts degree on the basis as other academic courses. In the fields of applied music art technical proficiency is aimed at, with the idea, first, of giving an appreciative taste, and second, of stimulating creative worthy of expression.

APPLIED ART: Students wishing to concentrate in Art as their subject for the B.A. degree may elect courses in Drawing and Painting, Sculpture and pre-Architecture. A theoretical knowledge in these fields is desirable and practical work should be taken in each of them. A sense of design and an appreciation of and ability to render form must be exhibited in the basic courses as the foundation for further specialization.

Each student will be expected to present his work in the Department Exhibition at the end of each year. In the fourth year the student concentrating in Art will give a separate exhibition of his work at year.

MUSIC: Either theoretical or applied music may be elected as a field of concentration for the Bachelor of Arts degree. In addition it is also possible to meet the requirements of the State Board of Education for the Special Credential in Music, which qualifies a student to teach music in the public schools of the State of California. The student, whether concentrating in music toward the Bachelor of Arts degree, or working toward the music credential should elect the beginning harmony and sight singing courses in the first year, otherwise he will have difficulty in completing the required courses.

Each candidate for the Special Credential in Music, as well as those pursuing a course of concentration in either applied or theoretical music, must present a satisfactory public recital in his major field. Other requirements are varied according to the type of credential (Public School Music, Voice, Piano, Organ, Violin, or Spectrums) which is desired. Complete information as to the requirements for these types of credential may be obtained from the Department of Music.

APPLIED MUSIC: The student in applied music will be enrolled in credit toward the Bachelor of Arts degree upon the written recommendation of the Head of the Department of Music. This recommendation is based upon a system of proficiency tests given before the examining committees of the music faculty. In addition, the applied music must be accompanied or preceded by first year harmony or sight singing to receive credit. A second year or more of credit is given when the applied music course is accompanied or preceded by second year Harmony or Advanced Dictation. A minimum of two half-hour lessons weekly is required for which credit of two hours is given. Proficiency tests are required only of students in applied music who desire credit toward the Bachelor of Arts degree.

SUGGESTED PROGRAM

DIVISION II—ENGLISH

(DEPARTMENTS OF ENGLISH AND PUBLIC ADDRESS)

- I. The Division of English functions in three different ways:
 1. To persons desirous of proficiency in our mother tongue whether for the sake of apprehending the ideas of others or for the sake of expressing their own, it affords training in reading, writing and speaking.
 2. To persons seeking the mental and spiritual culture attendant on the processes of literary appreciation it offers generous variety of courses.
 3. To persons who wish to make English in any of its phases the dominant feature of their collegiate program it provides opportunity for concentration during the junior and senior years.
- II. To the end that proper organization and direction may be achieved and a desirable breadth at the same time maintained in the programs of students concentrating in English the following objectives are recommended for their guidance:
 1. Effective command of the English language, in reading, in writing and in speech.
 2. Extended and intensive experience in literary appreciation; interpretation and criticism; original creation.
 3. Intelligent acquaintance with the great books of the world. Reading Lists I and II offer guidance supplemental to that afforded by organized courses.
 4. A general knowledge of English and American literature and culture in its historical development.
 5. Some understanding of the more significant movements in the field of philosophy, especially as they bear on literature and art.
 6. A mastery, the more complete the better, of at least one language other than English. Besides the added understanding of general linguistic problems achieved through such mastery the intimate contact with a foreign culture entailed in a mastery of its language has a value attainable in no other way.

Students who have in mind to go on to advanced graduate work in English should recognize from the beginning that the best university standards will demand a thorough grounding in Latin—not less than the full high school course—and a reading knowledge of both French and German.

NOTE: Personal interests of the student—as in the case of Art, phases of Social Science, or of Physical and Biological Science—may very properly be accorded such recognition in his program as to entail a sacrifice—at least in part—of some more of the "objectives" listed.
- III. The minimum formal requirement for concentration in English is 24 hours of satisfactory work in the Upper Division—two C courses and two D courses.

DIVISION III—FOREIGN LANGUAGES AND LITERATURES

FRENCH, GERMAN, GREEK, ITALIAN, LATIN AND SPANISH)

CONCENTRATION IN THE DIVISION

A student interested in the synthetic study of the complete field of foreign letters may, under an adviser appointed by the division, do the work in the various departments of the division, thereby concentrating in the division. Such a student should hold non-bearing conferences from time to time with the divisional faculty, looking toward a comprehensive examination in the general field of foreign languages and literatures.

CONCENTRATION IN DEPARTMENTS

A student planning to concentrate upon any one of the foreign languages should have begun his study of that language before entering college. Preparatory work in some other language is also an indirect advantage.

Although the student is normally expected to concentrate in one of the departments of Foreign Languages, he should acquire as broad an acquaintance as possible in all the other fields of literature represented in the division.

Eighteen to twenty-four hours of C and D work are required in the department concerned, in which at least a B average must be maintained. For a student desirous of doing more specialized work as possible under the regularly scheduled offerings, the Honors program presents additional opportunity. At the end of the Senior year a comprehensive examination will be required.

LATIN AND GREEK

Concentration in the Classical Languages is designed to give a student a technical knowledge of the language and literature of his special interest and an appreciation of the life and institutions intimately connected with that literature.

The student of Latin is expected also to have an acquaintance with the Greek language and literature. It is not essential however in the lower division courses of Latin.

ROMANCE LANGUAGES AND LITERATURES

A student expecting to concentrate within the field of the Romance Languages and Literatures should be fortified with a preliminary knowledge of Latin, and will find it much to his advantage to have begun the study of French or Spanish, or both, before entering college.

Concentration in a Romance Language and Literature is designed to provide: first, a broad general knowledge of both the language and literature of the student's special interest; and second, a considerable knowledge, represented by not less than two years of work in at least one other language of the Romance field. A student who is well equipped in foreign language on entering college is urged to take work in all three of the Romance Languages.

GERMAN

Concentration in German is designed to give the student a knowledge of the language and of the German civilization as represented in the best works of literature.

DIVISION IV—BIOLOGICAL SCIENCES

(DEPARTMENTS OF BIOLOGY, BOTANY AND ZOOLOGY)

I. OPPORTUNITIES.

The location of Pomona College, close to mountain, d coastal plain and sea, makes it especially suited to studies of tematic and ecological nature. This assures also an adequate diversified supply of materials for class and laboratory and special problems of a morphological or physiological nature. College, furthermore, possesses a number of special biological lections, notably of plants and insects. The Marine Labora of the College at Laguna Beach is an adjunct valuable during summer session and of use on occasion throughout the year.

II. CONCENTRATION IN THE DIVISION.

A student emphasizing biological science is ordinarily expected to have Biology A1, and Biology B2, followed by an integrated gram in either Botany or Zoology or both. Those concentratin this division are expected to participate in a non-credit bearing ference looking toward a comprehensive examination at gradu: A reading knowledge of German and French and a training i physical sciences are also expected according to the needs o individual.

III. COURSES PREPARATORY TO:

(1). Graduate work, looking towards investigation or h education. Broad foundations in the biological and physica ences, with liberal selections of advanced courses in the fie concentration, are essential for those who anticipate profes work in biological science.

(2). Teaching in secondary schools. Teachers of biol subjects and general science need basic courses in as many bra of science as possible. The following are also important: Physiology and Taxonomy, Physiology, Entomology, Func Zoology, Genetics and Bionomics.

(3). Museum work, conservation, nature guide work, biology. In addition to the basic courses are recommended: Taxonomy, Functional Zoology, Entomology, Special Pro Geology.

(4). Horticulture, agronomy, landscape art, forestry. F first two: Plant Physiology, Bacteriology, Entomology, Ge considerable Chemistry, Elementary Physics, Structural Ge For landscape art: Plant Taxonomy, Freehand and Meck Drawing, Surveying, Chemistry, Geology, and Economics. forestry: Plant Taxonomy, Entomology, Surveying.

(5). Medicine, nursing, laboratory technique, public heal sanitation. Pre-medical requirements are discussed elsewhere asmuch as medicine is highly biological, a liberal election c bryology, Histology, Neurology, Functional Zoology is c mended. Work in Entomology, Bacteriology and General Bo recommended in addition to the above for Public Health.

DIVISION V—PHYSICAL SCIENCES

(DEPARTMENTS OF ASTRONOMY, CHEMISTRY, GEOLOGY,
MATHEMATICS AND PHYSICS)

The Division of Physical Sciences renders through its freshman and sophomore courses two quite distinct types of educational experience:

For persons who are not intimately concerned with scientific pursuits it offers a general introduction through survey courses to modern scientific method, to the philosophic aspects of science, and to the place of the sciences in the general scheme of human affairs, along with the theoretical and descriptive presentation of the subject-matter. Conspicuous among such courses are: Mathematics A1, Physics A1, Chemistry A1, Astronomy B1 and Geology B1.

For those who incline toward more emphasis on the physical sciences during their collegiate years, whether for purposes of engineering, or with a view to engaging in commercial enterprises requiring knowledge of physical science, or because of an interest in scientific study for its own sake, the Division offers excellent opportunities for concentration.

PREREQUISITES for undertaking concentration in Physical Science:

Physics and Chemistry: Fundamental in importance is an understanding of the constitution and value of matter and energy as is ordinarily gained through basic courses in Physics and Chemistry.

Mathematics: A practical knowledge of the tools of scientific reasoning acquired in Mathematics is essential. This will require mathematics courses at least through calculus. It is urged that in planning such work in college complete trigonometry in high school.

Foreign Languages: It is highly desirable that the student desiring to concentrate in the Physical Sciences shall acquire a working knowledge of both French and German.

CONCENTRATION: Each one of the departments grouped in the Division has its own sequence of courses for the student concentrating in its section of the general field; but it also requires supplementary work in related departments. In addition, there are opportunities for concentration in fields that cross departmental boundaries. The combinations and implications are too markedly individual, however, to permit of a satisfactory general statement; they must be worked out between the student and his adviser.

SUGGESTED PROGRAM

DIVISION VI—SOCIAL SCIENCES

(DEPARTMENTS OF ECONOMICS, EDUCATION, HISTORY,
POLITICAL SCIENCE AND LAW, AND SOCIOLOGY)

CONCENTRATION IN THE DIVISION¹: Although emphasis in program of a student concentrating in the Division is placed on integrated sequence of studies in one of the social sciences, it is expected that the student will obtain a broad understanding of content and meaning of the social sciences as a whole. With this in view he will include early in his course at least three of the basic courses² in the Division. He will maintain a "B" average in the social studies, will complete 24 units in "C" and "D" courses in the Division of which at least 12 must be "D," and will include courses D251 and D252 in the social science of his more intensive study.

FOREIGN LANGUAGE: It is recommended that every student concentrating in the Division of Social Sciences acquire a reasonable knowledge of French and German. Normally by the beginning of the Junior year but not later than the middle of his Senior year the student is required to file with his Adviser a written certificate of his ability to read French or German, issued by a member of the Division who has been designated to examine in those languages.

COMPREHENSIVE EXAMINATION: The work of a candidate concentrating in social sciences culminates in a written comprehensive examination, administered by the Division. This examination consists of two parts: (1) a general examination to reveal the candidate's grasp of the broader aspects of the several social sciences and their interrelations, and (2) one or more specialized examinations to test his mastery of the particular social science which the candidate has studied intensively. Inasmuch as the purpose of the comprehensive examination is to appraise the candidate's integration of the entire range of social studies included in his undergraduate program, the passing of both parts of this examination will exempt the student from final examinations in social science courses at the end of his Senior year.

The following courses offered by the Department of Education are considered to be part of the work of the Division of Social Sciences:

Introduction to Education; History of Education.

SUPPLEMENTARY COURSES: In addition, the courses listed below and other courses approved by the Division, may form a part of a student's program of concentration in the Social Sciences:

Philosophy of the State; History of Philosophy; Social Psychology.

The attention of social science students is called to other courses available to them, offered by affiliated colleges in the month of June.

¹No departmental concentration, or major, is offered in any social science.

²Economics B11, History A1, Political Science A1, Sociology B1.

DIVISION VII—PHILOSOPHY, PSYCHOLOGY AND RELIGION

A SUGGESTED COURSE during the Lower Division years for those intending to concentrate in the Division:

FRESHMAN YEAR

Biology A1
Chemistry A1 or Physics A1
History A1 or Political
Science A1
English A1
Religion A1

SOPHOMORE YEAR

Zoology B3 or Astronomy B1
Psychology B1
Economics B11 or Sociology
B21
Philosophy B21 or B23
Religion B

Note: A reading knowledge of French and German is ultimately necessary for persons who undertake advanced graduate work in the field of the division.

CONCENTRATION IN THE DIVISION requires:

1. The completion of the following basic courses:
Philosophy C125 or C127;
Psychology B1;
Religion C109.
2. The completion of forty units in the division; eighteen of these shall be taken in one of the departments of the division; six of them shall be of D rank.
3. The maintenance of a grade of B or better in divisional courses.
4. The passing of a comprehensive examination covering the entire field of concentration at the close of the senior year.

SUGGESTED PROGRAM

A SUGGESTED PRE-ENGINEERING COURSE

In the belief that the training of a liberal arts college, so essential to men in other professions, is essential to the engineer, Pomona has developed a series of courses to enable its graduates to enter the upper division work of engineering schools and graduate therefrom in two years. Men during the first two years will take the same course regardless of the field of engineering contemplated.

FRESHMAN YEAR

Chemistry B3 or A1 and B2.....	Un	6
Mathematics A1		3
Mathematics A7 (Engineering Drawing).....		4
Foreign Language		1
Elective		10

SOPHOMORE YEAR

Economics B11	
Mathematics B15	
Mathematics B9 (Engineering Drawing).....	
Physics B2 and B4.....	
Foreign Language	

Pre-engineering students are advised to take in their Junior and Senior years as many as possible of the following courses.

JUNIOR AND SENIOR YEARS

Mathematics D120	
Astronomy or Geology	
Economics	
Physics C111 and D109.....	
Mathematics D121	
Physics D220	
Physics D113 Analytic Mechanics).....	

In addition the six weeks' summer course in surveying at Lake should be taken by all.

A SUGGESTED PRE-MEDICAL COURSE

Certain subjects have been designated by the Council on Medical Education of the American Medical Association as minimum requirements for entrance to Class A medical colleges. Many of the leading medical schools, however, have requirements well beyond minimum, and from many more applicants than can be accepted, selecting only those who are best prepared and have demonstrated the highest scholastic ability and laudable personal traits. Medical students are advised not to attempt to crowd the minimum requirements into two years of college work, but to build, in leisurely fashion, a broad educational foundation. Breadth of culture, and a thorough grounding in the biological and geo-chemical sciences are the objectives of the premedical course.

Below is outlined a curriculum which meets the requirements for graduation from Pomona College and the entrance requirements of most of the medical colleges in the United States. It can readily be modified, as regards both science and non-science courses, to meet the specific requirements of any medical school which the student plans to attend.

FRESHMAN YEAR		JUNIOR YEAR	
	Units		Units
French A1	8	Zoology C115, C117	8
Chemistry B3, General	8	(Comp. Anat., Embryology)	
Physics A1, General	6	Chemistry C110, Organic	8
Latin A1	6	Physics B2, B4	10 or 8
Elective	4	French A1, or Elective	6
SOPHOMORE YEAR		SENIOR YEAR	
Chemistry B2a, b, Zool.,		All Elective. Suggestions:	
Botany	8	Histology, Neurology	
Chemistry B6, Analytical	6	Biochemistry	
Mathematics A1, General	6	Physical Chemistry	
Latin B3	6	Physics, Mathematics	
Elective, Div. VI or VII, 4 or 6		French or German	
		Psychology, Philosophy	
		Social Sciences	
		English Literature	

Reading knowledge of both German and French is highly desirable. High School work in these languages and in Latin is recommended for those planning the medical course, and the program outlined above may be modified in accordance with pre-college preparation in these subjects.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS

The courses in Education in Pomona College are designed to supply the information each intelligent citizen should have concerning one of the most important of our social institutions; they also to the prospective teacher a certain amount of pre-professional training.

CERTIFICATES: In California every teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon presentation to the county board of education of a qualifying credential issued by the State Board of Education through the Commission on Credentials. The Commission issues the credential to the candidate upon the basis of evidence furnished by the candidate's college that he has completed the requirements laid down by the state. Requirements vary for different certificates and those contemplating entering the teaching profession should make themselves familiar with these requirements as indicated in the bulletin of the State Board of Education which may be had by application to the State Board in Sacramento.

The more technical professional requirements are not usually met by courses offered in Pomona College and will need to be supplied by courses taken in Claremont Colleges or elsewhere. Pomona College, however, does undertake to offer the prospective teacher the opportunity of becoming thoroughly acquainted with the fundamental concepts of education as a social institution and of laying a broad foundation upon which future technical training may profitably be built.

A SUGGESTED PROGRAM for the prospective teacher:

FRESHMAN YEAR: Academic courses preparatory to the credential in view.

SOPHOMORE YEAR: Education B3; Psychology B1; further study in the subject-matter to be taught.

JUNIOR YEAR: Education C104; Psychology C107¹; further study in the subject-matter to be taught, or in related fields.

SENIOR YEAR: Education D215. A rounding out of the subject-matter to be taught.

¹These courses count technically as Education in all matters involving credentials.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS OF PHYSICAL EDUCATION

FRESHMAN YEAR		SOPHOMORE YEAR	
	Units		Units
English A1	8	Zoology B3	6
Chemistry B3	8	Sociology B21	6
Psychology A1	6	Psychology B1	3
Science A5	2	Music B3	6
Electives from divisions I, VI, or VII.....	8 or 9	Electives	9 or 10
JUNIOR YEAR		SENIOR YEAR	
Physical Address B32.....	4		
Psychology C107	3		
Psychology C105	3		
Physical Education C130..	3	Physical Education C126..	2
Physical Education C127, 28	4	Education D215	3
Physical Education C119		Physical Education D133..	3
(or women)	2	Physical Education D131..	3
Education B3	3	Chemistry C114	4
Electives in divisions		Psychology C104	3
More than VI or VII....	8 or 9	Electives	12

6 units of required Physical Education Activities.

It is suggested that the required Physical Education activities be selected as to give the individual opportunity for both technical and leadership training in a wide range of activities.

The program followed by a year of graduate work in Claremont Colleges will qualify the student for the general credential with a major in physical education.

Working knowledge of French and German is highly desirable for students who plan to go on to graduate research in Physical Education.

COURSES OF INSTRUCTION

DESIGNATION OF COURSES

The letter preceding the number in the designation of a course indicates in general its grade. Elementary courses, designated A (as English A1) are given in Freshman or Sophomore years. Courses are either those which follow the A course of earlier years or the more advanced beginning courses; C and D Courses are advanced courses given to Juniors and Seniors, D courses being more difficult. The natural sequence of courses is from A to B, B to C, and C to D, and a student may not enter a C or D course without previous work in the same line.

Courses with numbers below 100 are underclass courses; those numbered from 100 to 199 are for Juniors and Seniors; those numbered over 200 are not open to students of less than Senior standing.

Any course may be withdrawn if the enrollment is less than five.

In departments where one-unit courses are offered, two-unit courses should be completed to secure the counting of unit grade-points toward graduation.

When courses in different semesters have the same general number and are connected by a hyphen thus, B1a-B1b, they cover the same subject and the entire sequence should be taken. If, however, they are connected by a comma, thus, B1a, B1b, although the sequence extends throughout the year, independent credit is given for the work of the first semester and the first course may be followed by some allied subject instead of the next course in the sequence. Entrance to the second semester course is by permission of the instructor.

All courses are three units each unless otherwise designated.

Roman numerals show the periods of recitations. Two courses with the same Roman numerals cannot be taken contemporaneously unless the numerals are preceded by different letters (as M1 and M2) showing that the classes meet on different days of the group.

	8:00	9:00	10:00	11:00	1:15	2:15
MWF.....	I	III	V	VII	IX	XI
TThS.....	II	IV	VI	[T-Chapel Th-Assembly]		X XII
						Except Saturdays

Hours to be arranged—A.

If a letter precedes the numeral, the class meets only on that day of the group.

ART

fee of \$5 is charged for each unit of credit except in course

A3b. Design and Drawing.

MR. BEGGS

The study of order in the graphic arts. The appreciation of form and its expression in pencil, charcoal and color. 2 units. Class, *WF, IX*; laboratory, *WF, XI, XIII*.

A9b. Modeling.

MR. JURECKA

A general foundation in Sculpture, comprising a study of antique models from casts and work from nature forms. 2 units. *TTh, 15 to 3:05*. Special fee, \$25.00 per semester.

B3b. Composition.

MR. BEGGS

Editorial Design in various media requiring a sketch each week on an assigned subject of an illustrative or decorative nature. To be taken in conjunction with another applied art course; may be repeated for credit. 1 unit. *FV*.

B11b. Advanced Drawing.

MR. BEGGS

First drawing in charcoal in the first semester is followed by portrait drawing from the model in the same medium in the second. 2 units. Class, *TTh, X*; laboratory, *TTh, XII and XIV*.

B25b. Advanced Modeling.

MR. JURECKA

Problems in applied ornament. Portrait study from cast and modeling model. Studio methods; casting and armatures. 2 units. *TTh, 3:15 to 5:05*. Fee, \$25.00 per semester.

a-C102b. Life Drawing.

MR. BEGGS

Anatomical function and the construction of the human form. Prerequisite B11a-b or equivalent. 2 units. *MWF I and III*.

a-C107b. Life Modeling.

MR. JURECKA

Modeling from life. Figure, portrait in the relief and in the round. Laboratory and related work. 2 units. *A*. Special fee, \$5.00 per semester.

a-C111b. History of Art.

MR. BEGGS, MR. ROBBINS
and MR. BAUMANN

Study of the historical development of art with especial attention to national genius and expression. *III*.

In addition to the courses listed below there will be announced at the time of registration certain courses in Scripps College open for students under approved conditions.

C120a-C120b. Painting.

MR. BE

Practice in Still-life and Landscape is adapted to a study of techniques of various historic schools of oil painting. These explained by means of a system of set palettes which afford understanding of painting principles and an opportunity for development of individuality of manner. 2 units. Class, *M XIII*; laboratory, *MW, IX, XI*.

D105a-D105b. Advanced Painting.

MR. BE

Attention is given to the completion of easel pictures including the portrait and the decorative composition. A large finished canvas is required in the second semester. 2 units. Class, *XIV*; laboratory, *A*.

D112a-D112b. Advanced Life Modeling.

MR. JURE

Advanced composition in both relief and the round. Development of original conceptions. Study of color effects in sculpture. Laboratory and related work. 2 units. *A*.

ASTRONOMY

B1a-B1b. An Introduction to Astronomy.

MR. WHI

A survey course presenting the general facts of historical and modern astronomy in non-technical form suited to students with a minimum of science preparation. An appreciation is sought of man's relation to the surrounding universe. Regular evening sessions with the telescopes at the Brackett Observatory are supplemented by group projects and field excursions. Classroom two hours per week; observatory, etc. amounting to one period per week. Observatory fee, \$3.00 per semester. *VII*.

C101-C102. General Astronomy.

MR. WHI

A course in the fundamentals of modern astronomy designed for students planning to do advanced work in this field or who desire a working knowledge of geometry, trigonometry and the fundamental principles of physical science. Classroom and observatory periods amounting to three units. Laboratory fee, \$3.00 per semester. *A*.

C103a-C103b. The Sun; a Star.

MR. WHI

A comprehensive laboratory study of our sun as a representative star and the ruler of the solar system. The program includes regular cooperative observations of sunspots, solar prominences and the sun's heat radiation, also quantitative measures of solar radiation and photography of celestial objects. Prerequisites Astronomy C101-C102 or the equivalent in physical science. Three units. Laboratory fee, \$3.00 per semester. *A*.

D104, D105. Theoretical and Practical Astronomy.

MR. WHI

First Semester. Deals with the theory and practice in the

the telescope, transits, sextant, etc., in the determination of time, latitude and longitude with applications to civil engineering, marine and aerial navigation problems. Classroom one unit; observatory two units. Laboratory fee, \$2.00. *A*.

Second Semester. A short course in Celestial Mechanics or the applications of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems on the prediction of eclipses and occultations and on the computation of the orbits of comets, etc. Three units. *A*. Offered in alternate years. (*Omitted in 1935-1936*).

6a-D106b. Astrophysics.

MR. WHITNEY

Considers the applications of the principles of modern physics and chemistry to a study of the constitution of the universe and the reciprocal contributions of astronomical research to the physical sciences. Laboratory observations both visual and photographic with the telescopes, spectrograph, etc., are accompanied by studies of the theory of these instruments and their applications to astronomical problems. Classroom one unit; observatory two units. Laboratory fee, \$3.00 per semester. *A*.

0. Investigations in Astronomy.

MR. WHITNEY

A unified program of investigation in some particular field such as variable stars, double stars, solar radiation, meteor observations, etc., is arranged. Each semester one to four units. May be repeated for credit. Laboratory fee, \$2.00 per unit per semester.

BIOLOGY

A1b. General Biology.

MR. HILTON, MR. MUNZ
and ASSISTANTS

A general course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany, or zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the project method it will be fitted to the preparations, needs, and interests of individuals or groups. Class, *MW, VII* and *F* at the pleasure of the instructor; laboratory, field trip, or demonstration *T, Th, F, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

B2b. Advanced Biology.

MR. HILTON and MR. MUNZ

General Zoology first semester. General Botany second semester. A general survey of the animal and plant kingdoms, dealing with classification, structure and life-processes of both groups. Prerequisite: Biology A1 or its equivalent. Ordinarily this course is a prerequisite for advanced work in the division. 4 units. Class, *Th, II*; laboratory, *TTh, 1:15-4:10*. Laboratory fee \$8.00 each semester.

C105. Bacteriology.

MR. MU

General study of important bacteria, methods of culture and study, and importance in disease and agriculture. Prerequisite: one year of biological work. First semester. Class, S, laboratory, *WF*, 1:15-4:10. Laboratory fee, \$8.00. Breakage deposit, \$5.00. (*Omitted in 1935-1936*).

C107. Genetics.

MR. MU

A non-laboratory course covering modern developments in study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems and discussions. Prerequisite: one year of biological work. First semester, *I*. Fee, \$3.00.

C108. Bionomics.

MR. HIL

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to those who have had a year of biological work. May be taken with Zoology D131 for three hours. Second semester. 2 units *MW, I*.

BOTANY

C123. Plant Physiology.

MR. M

A study of the physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important to those students contemplating horticultural work, teaching biology, and for botany majors. Prerequisite: Biology B2b. Second semester. *A*. Two class periods and one laboratory. Laboratory fee, \$8.00. Breakage deposit, \$5.00. (*Omitted in 1936*).

C124. Mycology.

MR. M

A brief survey of the fungi, with particular reference to those forms which are economically important. Second semester. Class, 1 hour, laboratory and field work, 2 periods. Laboratory fee, \$7.00. (*Omitted in 1935-1936*).

D125a, D125b. Taxonomy.

MR. M

Study of our local flora and more common cultivated plants and animals. Principles and methods of classification and economic work. Much field work with trips to desert, mountain and shore for study of plants in their native conditions. Prerequisite: Biology B2b. First semester, Class, *WF, III*; laboratory, *M*, 1:15-4:10. Second semester, Class, *F, III*; laboratory, *MW*, 1:15-4:10. Laboratory fee, \$7.00 each semester. Coordinates with D127.

7a, D127b. Anatomy and Comparative Morphology of Green Plants.

MR. MUNZ

The anatomy with special reference to vascular tissues from the evolutionary point of view. Morphology covering life-histories, evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Biology B2b. Class, 4., laboratory, *M*, 1:15-4:10. Laboratory fee, \$7.00 each semester. Alternates with D125. (*Omitted in 1935-1936*).

1. Botanical Problems.

MR. MUNZ

Special work, largely individual, and primarily for majors in the department. Each semester. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. Laboratory fee, \$2.00 per unit of credit.

ZOOLOGY

B3b. Physiology.

MR. GILCHRIST

The functions of animals, with special reference to the human body. Prerequisite: Biology A1. Class periods, *MF*, *I*; laboratory, *Th* 1:15-4:10. Laboratory fee, \$6.00 each semester.

5. Human Anatomy.

MR. GILCHRIST

A course designed to meet the requirements of majors in physical education. Prerequisite: Biology A1 and Zoology B3. First semester. Class, *W*, *I*; laboratory, *MW*, 1:15-4:10. Laboratory fee, \$6.00.

5. Comparative Anatomy.

MR. GILCHRIST

A study of the structure of vertebrates. Prerequisite: Biology 2a. First semester. Four units. Class, *TTh*, *II*; laboratory, *T*, 1:15-4:10 and three hours to be arranged. Laboratory fee, \$8.00.

7. Embryology.

MR. GILCHRIST

A study of early development and the formation of organs, with special reference to vertebrates. Prerequisite: Biology B2a. Second semester. Four units. Class, *TTh*, *II*; laboratory, *T*, 1:15-4:10 and three hours to be arranged. Laboratory fee, \$8.00.

8. Entomology.

MR. HILTON

A general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Biology B2. Second semester. Class, *T*, *VI*; laboratory, *A*. Laboratory fee, \$6.00.

9. Functional Zoology.

MR. GILCHRIST

A study of Zoology as an experimental science in its analysis of heredity, development, regeneration, animal behavior, and evolution. Prerequisite: Biology A1. Second semester. *VII*.

10. Histology.

MR. HILTON

The microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology B3 or Biology B2. First semester. Class, *T*, *IV*.

Laboratory by appointment. One class, two laboratory periods.
Laboratory fee, \$8.00.

D114. Neurology.

MR. HILTON

A general consideration of the structure and functions of the nervous system and sense organs chiefly of vertebrates. Prerequisite: Zoology D113. Second semester. Class T, IV. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$6.00.

D131. Zoological Literature.

MR. HILTON

Reviews of important contributions in all fields of recent zoological literature. Open to Juniors and Seniors. Second semester. May be repeated for credit. 1 unit. F, I.

D135. Zoological Problems. MR. HILTON and MR. GILCHES

This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Anatomy or Embryology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Either semester. 2 to 3 units. May be repeated for credit. Laboratory fee, \$2.00 per unit.

CHEMISTRY

The two introductory courses, A1 and B3, cannot both be taken for credit. Students who wish to get a "working knowledge" of chemistry, as a part of their training in some field of science, should register for the B3 course. The A1 course is intended primarily for those whose major interest is not scientific.

A1a, A1b. A Survey of Chemical Science. MR. ROBINSON

Presents our present-day concepts of the nature of matter and its behavior, the origin of these concepts, and the place of chemistry in human affairs. No laboratory is required. Chemistry B2 may be elected to accompany this course. Fee, \$2.00 each semester to defray expenses of lecture demonstrations.

B2a, B2b. Experimental Inorganic Chemistry. MISS

To accompany or to follow Chemistry A1. Laboratory work similar to that of B3, with assigned problems and studies. This course, with A1, may serve in place of B3 as preparatory for advanced courses. Each semester, one unit. Laboratory, W: 4:10. Laboratory fee, \$6.00 each semester.

B3a-B3b. Inorganic and Elementary Theoretical Chemistry. MR. ROBINSON and MISS

A foundation course for those who are planning further work in chemistry or other scientific fields. Those who have not

trance chemistry should consult the instructors before registering. 4 units. Class, *IV*; laboratory, *T, W or Th, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

B6b. Analytical Chemistry.

MR. LEIGHTON

studies in the principles of chemical behavior and in stoichiometric problems. Laboratory practice in systematic qualitative analysis of anions and cations, and in the simpler volumetric and gravimetric methods of analysis. Prerequisite: Chemistry B6, or A1 and B2. Class, *S, II*; laboratory, *WF, 1:15-4:10*. Laboratory fee, \$10.00 each semester.

C110b. Organic Chemistry.

MR. ROBINSON

survey of the principal classes of carbon compounds and their characteristics, studies in synthetic methods and problems of structure and applied organic chemistry. Prerequisite: Chemistry B3, or A1 and B2. 4 units. Class, *VII*; laboratory, *T or W, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

Advanced Quantitative Analysis.

MR. LEIGHTON

continuation of B6, designed to give the student a more comprehensive knowledge of the theory and practice of volumetric and gravimetric analysis. First semester. Class, *F, V*; laboratory, *WF, 1:15-4:10*. Laboratory fee, \$10.00.

C114b. Nutrition and Foods.

MISS OTIS

survey of the methods used and the results obtained in investigations of dietetic requirements, and of the nutritive value of foods. No prerequisites. There will be no formal laboratory periods, but students will undertake projects of fact-finding or experimental character. Demonstration fee, \$1.00 each semester. 2 units. *TTh, II*.

D115b. Biological Chemistry.

MISS OTIS

lectures and reports, and qualitative and quantitative experiments on the chemistry of materials and life-processes of organisms. The fundamental principles of human nutrition are included. Prerequisite: Chemistry B6 and C110, or consent of instructor. Class, *WF, III*; laboratory, *F, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

D119b. Physical Chemistry.

MR. LEIGHTON

general review of the fundamental physico-chemical concepts and principles, with numerous illustrative problems, and laboratory practice in physico-chemical measurements. Prerequisite: the first semester, a C course in either chemistry or physics; the second semester, differential and integral calculus are also required. Class, *MW, I*; laboratory, *M, 1:15-4:10*. Laboratory fee, \$8.00 each semester.

D121a, D121b. Chemistry Conference.

THE ST

Oral or written reports by students, on material found in recent chemical literature; discussions of research methods, trend of present-day research, and recent developments theoretical and applied chemistry. Each semester. One unit. May be repeated for credit.

D151a, D151b. Methods in Chemistry.

THE ST

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in special analytical methods, physical chemistry, organic syntheses, biological chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of courses, and written reports are required. Prerequisites: Chemistry B6, C110 and consent of instructor. 2 or 3 units. *A.* Each semester. May be repeated for credit. Locker fee, \$3.00, deposit of \$15.00 to cover breakage and supplies used.

D201a, D201b. Research in Chemistry.

THE S

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of projects suited to their experience, in physical, analytical, organic or biological chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. 2 or 3 units. *A.* Each semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used.

CLASSICS

GREEK

B1a-B1b. Elementary.

MR. RO

First lessons; relation to modern Greek and to English scientific vocabulary; selected short passages from Greek literature. Book I of Homer's *Illiad*. *XI.*

C101a, C101b. Selections from Greek Literature.

MR. RO

Two sequences of readings are offered in alternate years. Herodotus, Plato, Homer, Greek comedy and tragedy, the New Testament. Studies in morphology and syntax are regular features of the work. The course may be repeated for credit in successive years. *IX. (Omitted in 1935-1936).*

LATIN

A1a-A1b. Elementary.

MR. FB

An introductory course in the rudiments of the Latin language with emphasis upon the relation of Latin to English and other Romanic languages. *VII.*

B3b. Cicero, Pliny and Horace.**MR. ROBBINS**

Cicero, *De Senectute*; Pliny, *Selected Letters*; study of the life and times of the late Roman republic and early empire. Horace, *Odes and Epodes*; philosophy, history and mythology as reflected in the poems of Horace; study of the metrics of Horace and the influence of the Greek lyric poets. *IV*.

5a-C105b. Composition.**MR. ROBBINS**

Review of Latin grammar; translation of sentences and connected discourse into Latin according to the needs of the class; lectures on word-formation and syntax. This course may be elected with credit and is required of students majoring in Latin. *A. One unit.*

5a, C106b. Masterpieces of Greek and Roman Literatures in Translation.**MR. ROBBINS**

Extensive readings in the literatures of Greece and Rome through the medium of English translation as a basis for the study of classical civilization and culture. No knowledge of Latin and Greek languages is required. *II*.

5a, C107b. Roman Comedy and Elegy.**MR. ROBBINS**

Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Propertius and Ovid. *I*.

5a, D109b. Roman History and Biography.**MR. ROBBINS**

Two sequences of readings are offered in alternate years: a, Roman philosophy, satire, and pastoral poetry; b, Roman historical and political antiquities. The course may be repeated for credit in successive years. In 1935-1936, sequence b. *XIII*.

ECONOMICS**A5b. Accounting.****MR. NESS**

Study in theory and method, developing from the balance sheet the fundamental principles underlying alike the construction and interpretation of financial records. *MF, VII, and T or 1:15-4:05.*

B11b. Principles of Economics.**MR. DUNCAN**

The basic course in the general principles of Economics, including current problems. Required for students expecting to emphasize the study of Economics, and prerequisite for upper division courses in Economics. Not open to Freshmen. Economics A5 prerequisite for Economics B11. Two sections. *I, III*.

Money and Banking.**MR. NESS**

Principles of money, credit, and banking interpreted in the light of the institutions and financial organization designed to supply society with adequate media of exchange. First semester. *VI*.

C106. Public Finance.

MR. DUN

Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. Second semester. *II.*

C107. Agricultural Economics.

MR. BUR

A study of the application of economic principles to current problems of agriculture, such as land tenure, transport, labor, marketing and prices. First semester, *III.*

C109. Economics of Transportation Problems.

MR.

An historical and analytical study of transportation principles and problems, with particular reference to railway transportation in the United States. First semester. *V.* Offered in alternate years. (*Omitted in 1935-1936*).

C110. Corporation Finance.

MR. DUN

Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including some study of cooperative organizations. Prerequisite: Economics A5, or equivalent training in Accounting. First semester. *II.*

C120. Public Utility Economics.

MR.

An historical and analytical study of public utility problems in the United States. Particular emphasis is laid upon the economics of overhead costs, the role of competition, regulation and valuation. First semester. *VI.*

D115. Principles of International Trade.

MR.

Principles and structure underlying international economic relations. Prerequisite: Economics C105. Second semester. *V.*

D117. Economic Problems of the Orient.

MR. DUN

A study of the economic, social and political problems of the Far East with special reference to current conditions in Japan. Enrolment restricted to those expecting to concentrate in Political Science and to others by special consent of instructor; previous courses in Economics not prerequisite. First semester.

D119. Monopolies and Trusts.

MR. BUR

A study of the economic principles and the legal status of monopolies. Second semester. *III.*

D252. Economic Theory.

MR. DUN

The special topics studied vary from year to year, and include critical analysis of underlying economic theory and its development. Second semester. 3 units. *A.*

EDUCATION

Introduction to Education.

MR. DOUGLASS

course designed for those who desire an understanding of the American school system. The outstanding problems of present-day education are examined and certain approaches to a solution of these problems are discussed. This course or equivalent prerequisite for Education C104, D215. First semester, *I*. Second semester, *IV*.

a, C104b. History of Education.

MR. NICHOLL

the development of educational theory and practice from the Greek period to the present, with an attempt during the second semester to make a comparison of the established systems in America and typical European countries. 3 or 4 units. *VII* and *A*.

c. Practice Teaching in Music.

exercises in actual teaching under direction, regular conferences with the supervisor being a feature of the work. The course is open to those completing credential requirements during the current year. 4 units. Each semester. *A*.

d. Principles of Secondary Education.

MR. DOUGLASS

the factors and principles which underlie the theory and practice of secondary education, including the junior high school, the senior high school and the junior college. Second semester.

ENGLISH

Writing and Speech are emphasized features of all Lower Division courses. Persons who plan to concentrate in English should complete Reading List I before the beginning of the junior year.

11b. English: An Introductory Course.

THE DEPARTMENTAL STAFF

the fundamental principles of literary criticism and interpretation together with reading and study of specimens of the more important literary types; instruction and practice in writing and speech. 4 units. Prerequisite for all other departmental courses. Men: *WF, I*; section meetings at *II*. Women: *TTh*, section meetings at *I*.

5b. Nineteenth Century Literature.

MR. HOWARD

an introduction to literary history and criticism, with intensive study of the poetry and non-narrative prose of the period and lateral reading in the novel. Upper Division students may register for the course only on the written recommendation of the instructor. *III*.

B9. Types of Prose Fiction.

MR. DAVIS and MR. LINCOLN

A general survey of important works in prose fiction with emphasis upon the development and recurrence of significant phases within the type, such as tale, romance, novel. Two sections. First semester. *V*.

B10. Introduction to Drama.

MR. DAVIS and MR. FRAMPTON

Great plays of various periods from the classic Greek to the present day; as extensive reading as time will permit. Two sections. Second semester. *V*.

B11. Character Presentation in Dramatic Literature.

VIRGINIA PRINCEHOUSE ALLEN

The theory and technique of character presentation as found in selected plays. The course looks toward character-interpretation through the actor's art. Permission of the instructor must be secured before registration for this course. Each semester. *VI*.

B21a, B21b. English Composition.MR. HOWARD, MR. FRAMPTON
MR. LINCOLN and MR. MCCOY

The fundamentals of effective expression in writing, with considerable attention to the composition of the "course paper." Those who have mastered fundamentals opportunity will be given for practice in such special forms as narrative and essay. First semester: two sections of B21a; second semester: one section of B21a, one of B21b. *IV*.

ADVANCED COURSES

A substantial acquaintance with the books of Reading List is most desirable as a preliminary to registration in Division courses.

C101a, C101b. The Renaissance in England.

MR. STRATHMORE

English literature of the Renaissance, dramatic and nondramatic. Spenser, Shakespeare, Bacon and Milton being main figures. The enduring contributions of the Renaissance in thought, art and materials being a major topic. *IV*.

C103a, C103b. Literature of the Eighteenth Century.

MR. MCCOY

The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, a sentimentalism and romanticism; the eighteenth century drama; the beginning of the English novel; the spread of the romantic movement in England and on the Continent. *III*.

C105a, C105b. American Literature.

MR. LINCOLN

The literature of the United States, with emphasis on its distinctive features and sentiment. *VI*.

1. The Short Story. MR. FRAMPTON
 Practice in supervised writing of short-stories. Study of significant short-stories. First semester. *V*.

2a, D121b. Creative Writing.

MR. LINCOLN and MR. FRAMPTON
 Supervised practice in all forms of creative writing. Study of matters and fields of literary interest. *T, X and XII, and F, IX.*

3. Chaucer. MR. DAVIS
 Study of Chaucer as the outstanding narrative and dramatic poet of the transition from the medieval to the modern world. First semester. *VI.*

4. The English Language. MR. STRATHMANN
 Survey of the English language from Chaucer to the present day with emphasis on the development of vocabulary, grammar and syntax. Critical theories of language in relation to literature will be given due attention. The course is recommended especially to prospective teachers of English. Second semester. *VI.*

5a, D125b. Shakespeare. MR. FRAMPTON
 Study of the principal plays. *VII.*

7. Literary Criticism. MR. FRAMPTON
 An examination of the bases of literary criticism; studies of outstanding modern critics; frequent practice in supervised critical writing. First semester. *I.*

1a, D201b. The Great Victorians and their Successors.

MR. MC CULLEY and MR. HOWARD
 Recent literature in English considered as an outcome of nineteenth century backgrounds and main currents of modern thought. The first semester of the course comes to a focus in Arnold and Meredith; the second culminates in the literary activities of our own day. Prerequisite: English B5 or an equivalent. *V.*

FRENCH

2 Romance Languages and Literatures.

GEOGRAPHY

Courses in this field are available at Scripps College.

GEOLOGY

31b. Introductory Geology.

MR. WOODFORD
 Dynamic, structural and historical geology. Prerequisite: High school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Class, *WF, I*; laboratory, *W* or *Th, 1:15-4:15*. Laboratory fee, \$3.00 each semester.

B3. Determinative Mineralogy.

MR. WOODF

Prerequisite: High school chemistry or equivalent. First semester. Two laboratory periods. 2 units. *A*. Laboratory fee, \$4.00.

C105. Crystallography.

MR. WOODF

Must be preceded or accompanied by Geology B3, unless taken upon the written recommendation of the Department of Chemistry or of Physics. First semester, 2 units. *WF, V*.

C110. Petrology.

MR. WOODF

The study of rocks without the microscope. Prerequisite: Geology B1a, B3 and C105. Second semester. One class and two laboratory periods. *A*. Laboratory fee, \$4.00.

C107a-C107b. Invertebrate Paleontology.

MR. WOODF

Prerequisite: Geology B1b; recommended preparation: Biology B2a. Two class and one laboratory periods, first semester; one class and two laboratory periods, second semester. *A*. Laboratory fee, \$6.00 each semester. Given alternate years.

D104. Field Geology.

MR. WOODF

Prerequisite: Geology B1b, C110. A summer course of three to six weeks. 3 or 6 units. *A*.

D111-D112. Petrography.

MR. WOODF

Refraction and double refraction; the optical indicatrix; study of minerals and rocks with the petrographic microscope. Prerequisite: Geology C105. Two class and one laboratory periods, first semester; one class and two laboratory periods, second semester. *A*. Laboratory fee, \$5.00 first semester; \$8.00 second semester. Given alternate years. (*Omitted 1935-1936*).

D130, D131. Geological Investigation and Research.

MR. WOODF

3 units. *A*. Laboratory fee, \$4.00 each semester.

GERMAN**A1a-A1b. Elementary German.**

MISS WAND

The acquirement of a small working vocabulary. Constant practice in training, and as much practice in speaking as time permits. Daily exercises in reading and writing. The essentials of German grammar. Etymology. Comment on German life and literature. *III, IV*.

A. Elementary and Advanced German.

MISS WAND

Two semesters in one. 6 units. First semester. *V, VI*.

33b. Advanced German.

MR. BAUMANN

More advanced German language study through intensive reading and discussion of selected German works, with considerably extended reading in the field of the student's individual interest. Continued practice in German conversation. Some attention to understanding of the cultural life of Germany, Austria and Switzerland. Prerequisite: German A1 or an equivalent. *V, VI.*

a, C109b. German Literature of the Nineteenth Century.

MR. BAUMANN and MISS WAGNER

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: German A1 or equivalent. First semester, three or four units. *IX* and *A.* Second semester, three units. *IX.*

a, C113b. German Classics of the Eighteenth Century.

MR. BAUMANN and MISS WAGNER

Study of the outstanding works and personalities of the period with particular attention to the social and political life of Germany. The fourth hour emphasizes conversation and composition, using scientific material as well as every day language. 3 or 4 units. *IV* and *A.* (*Omitted in 1935-1936.*)

a, D118b. Modern German Literature.

MR. BAUMANN

The development of German Literature from 1880 to the present with reference to the political and social changes during that period. *I.*

HISTORY

1b. The Development of Western Civilization.

MR. PITMAN and MR. COOKE

The evolution of civilization in Europe from antiquity to the present, and its spread throughout the world. Attention is paid to the political, religious, intellectual, and economic forces of change. The aim is to lay a foundation for the understanding of contemporary problems. This course or its equivalent is normally a prerequisite for advanced courses in history. Emphasis in Cooke's section (*VI*) is on modern history. Two sections. *VI.*

9b. North America since 1763.

MR. COOKE

The development of political, economic and social life in the United States, with attention to such agrarian, industrial, and political forces as have transcended national boundaries. *II.*

Economic History of Europe.

MR. NESS

Historical study of economic life in Europe, with special emphasis upon the concept of an economy and the rise of such modern economic institutions as private property and contract,

the profit motive, the machine technique, etc. The pattern of economic thought and activity transcend the territorial limits of Europe. Second semester. *V*.

C107a-C107b. English History.

MR. P.

The development of the main features of civilization in England and the British Empire. Emphasis is laid upon the evolution of religious, intellectual, and economic forms as well as the growth of political institutions. Thus the course is largely a study of the cultural heritage of America. First semester, Great Britain since 1660; second semester, Great Britain and the Empire since 1700. *VII*.

C117a, C117b. The History of the Greeks and Romans.

MR. RO

Grecian civilization from its establishment until the Roman conquest, followed by a study of Rome from the founding of the Eternal City until the reign of Justinian. Emphasis is placed upon the civilization and literature of the Greeks and Romans. *(Omitted in 1935-1936)*.

C118. The Spanish Southwest.

MISS NE

The exploration and colonization of the Spanish Southwest, the development of its institutions; its conquest by the Alamo and the Saxons; and its subsequent development as a part of the United States. The course will make use of the Mason Library of the University of California and Western American History. Second semester.

D113a, D113b. Modern European History.

MR. C

Following an introductory survey of the eighteenth century, the development of thought, a study is made of the French Revolution and the Napoleonic period. The development of continental European nations is traced as is the confederation of Europe. The development of republicanism, of social unrest, of liberal ideas of social organization, and of culture. In the second semester the emphasis is upon international relations, the World War, the League of Nations and upon revolutionary changes of the last two decades. *VII*.

RD113a, RD113b. Reading in Modern European History.

MR. C

Reading in contemporary European biography for honors students and majors in social science to accompany the course work in History D113a, D113b. Weekly conferences. *A*.

D119. American Diplomatic History.

MR. C

The development of American foreign policy as revealed in the relations of the United States with European, Asiatic and American nations, with emphasis upon recent times. First semester. *I*. *(Omitted in 1935-1936)*.

19. Reading in American Diplomatic History. MR. COOKE
 Reading in American foreign relations for honor students and
 majors to accompany the curricular work in History D119.
 Weekly conferences. Second semester. 3 units. (*Omitted in 1935-*
36).

20a, D125b. Economic and Social History of the United
 States.

MR. PITMAN

The development of the economic and social structure of the
 United States and, in relation to this development, a study of
 patterns of thought and behavior, and of expression in the arts
 successive periods of American life. Lectures and student
 reports on significant leaders and movements. T. 2:15-4:00; Th.
 10:00-5:00.

20a, RD125b. Reading in Economic and Social History of
 the United States.

MR. PITMAN

Course of reading for honors students concentrating in history
 to accompany History D125a, D125b. Weekly conferences. A.

ITALIAN

1. Romance Language and Literature.

MATHEMATICS

A1b. Introduction to College Mathematics.

MR. JAEGER and MR. TAYLOR

The objective of this course is to prepare students for work in
 calculus the following year. The subject matter covered with
 particular students will be adjusted to meet their needs as evi-
 denced by their previous preparation. Prerequisite to further
 work in the department, except Math. B29. To be offered at three
 periods and in as many sections in each period as the registration
 allows for. IV, V and VI.

Statistical Methods.

MR. JAEGER

Means, averages, frequency distribution, probability, correlation,
 index numbers. Second semester. MW, III; laboratory, F, 1:15-
 2:00. Laboratory fee \$1.00.

Surveying.

MR. TAYLOR

Use and adjustment of surveying instruments. Methods of mak-
 ing and mapping surveys for various purposes. Given during
 summer session at the Bluff Lake Camp of Pomona College. Pre-
 requisite: Plane trigonometry. 6 units.

B15b. Differential and Integral Calculus.

MR. TAYLOR and MR. JAEGER

Continuation of Mathematics A1. III and IV.

C119a, C119b. Higher Algebra and Theory of Equations.

MR. JAE

Theory and solution of higher algebraic equations and advanced topics in algebra. *A*.

D120a, D120b. Differential Equations.

MR. JAE

A general course in the theory and solution of differential equations. *I*.

D121a-D121b. Advanced Calculus.

MR. TAY

Some of the subjects studied are partial differentiation, elliptic integrals, line, surface, and volume integrals, Green's Theorem, Stokes' Theorem. *A*.

D230a, D230b. Selected Topics in Higher Mathematics.

MR. JAEGER and MR. TAY

From time to time work in complex variables, projective geometry, differential geometry and number theory will be given as the demand requires. 1 to 3 units. *A*.

GRAPHICS

A7a, A7b. Engineering Drawing.

MR. TAY

A beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. 1 or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

B9a, B9b. Engineering Drawing.

MR. TAY

A more advanced course in mechanical drawing and descriptive geometry. Treats of orthographic and perspective projection, machine and structural details. Prerequisite: Mathematics or its equivalent. 1 or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

C112a, C112b. Engineering Drawing.

MR. TAY

Design of cams, gears, machine parts and simple trusses. 1 or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

MILITARY SCIENCE

The College maintains an Infantry Unit, Senior Division, Reserve Officers' Training Corps, established under the National Defense Act for the general purpose of qualifying students for positions of leadership in time of National emergency. The unit includes classroom instruction covering the basic technical knowledge required for appointment as Commissioned Officers in the United States Army and military drills designed to improve posture and physical coordination of the student. Special emphasis

ced upon the development of qualities of leadership, and the acquired by the student and his practical experience in the art command may be applied in many walks of life. Students who successfully complete the four years course will be tendered commissions as second lieutenants in the Officers' Reserve Corps.

The instructors in the department are Officers of the Regular Army detailed for duty at the college by the War Department. The equipment provided includes a set of instruments for a 28 piece band and an ample supply of weapons including rifles, automatic machine guns, a one-pounder gun and Stokes mortar, all of which are available for the use of students without cost. Allowances of ammunition for target practice are also furnished without cost.

Students who have received training in a Junior R.O.T.C. unit may be given advanced standing on the basis of two years Junior R.O.T.C. for one year Senior R.O.T.C. up to the limit of 1½ years of unit training. Application for Advanced Standing must be made when registering and must be accompanied by a recommendation from the Professor of Military Science and Tactics at the institution in which the student attended.

The four year course is divided into the basic course, consisting of the first two years, and the Advanced course consisting of the third and fourth years. Enrollment in either course is optional but, when a student has elected either the basic course or the advanced course, completion of the course elected becomes a prerequisite for graduation.

The basic course is open to all physically fit male students who are American citizens. Enrollment does not involve any obligation to military service nor does it interfere with the participation in civilian life by the student. Uniforms for the basic course are issued without charge to the student except in cases of loss of, or damage to articles so issued due to negligence on the part of the student.

Enrollment in the Advanced Course is limited to selected students who have completed the basic course or its equivalent and who enter into an agreement to attend one summer instruction camp for a period of six weeks. Attendance at this camp is expected during the summer between the Junior and Senior years. In consideration of this agreement students receive, from the government, cash allowances equivalent to a scholarship of about \$100.00 per year. Necessary expenses in connection with the summer camp, including transportation to and from camp, are provided by the government.

1b. First Year Basic Course.

LEUTENANT COLONEL SIMPSON

National Defense Act and the R.O.T.C.; military courtesy and discipline; military hygiene and first aid; map reading; rifle marksmanship; close and extended order drill and ceremonies. 4 units. 2 sections. Class *M I* and *III*. Drill, *M. 1:15-3:05*.

B3a-B3b. Second Year Basic Course.

CAPTAIN CHAM

Automatic rifle; musketry; scouting and patrolling; combat principles of the rifle squad; drill and command. $1\frac{1}{2}$ units. *S VI* or *F IX*. Drill *M. 1:15-3:05*.

C105a-C105b. First Year, Advanced Course.

CAPTAIN CHAM

Military engineering and camouflage; interpretation of photographs; machine guns; 37 m/m gun and trench mortar; combat principles of the rifle section and platoon; automatic pistol; drill and command. $3\frac{1}{2}$ units. Class *III* or *VII*. Dr *1:15-3:05*.

D107a-D107b. Second Year Advanced Course.

LIEUTENANT COLONEL SIM

Infantry weapons; tanks; military law; officers reserve regulations; military history; military policy of the United States; military correspondence; military administration; combat principles of the rifle and machine gun companies; howitzer platoon; drill and command to qualify the student to perform the duties of platoon, company and battalion commanders. $3\frac{1}{2}$ units. 2 sections *II* or *IV*. Drill *M. 1:15-3:05*.

MUSIC**THEORY AND APPRECIATION****A1a-A1b. Elementary Harmony.**

MR. J

A study of intervals, scales, tonal magnetism, primary dominant seventh and ninth chords, and all non-chordal Harmonization of melodies. Prerequisite: Elementary edge of the pianoforte. *III*.

A2a-A2b. Sight Singing and Notation.

MR. C

Historical approach to modern notation. Modes, neumes, song notation. Followed by modern notation. Sight reading, tation, discriminative listening. Two periods per week unit. *V, MW*.

B3a-B3b. Appreciation of Music.

MR. SUTHE

A course designed to stimulate the enjoyment of music by of the development of intelligent listening; planned to give eral idea of the elements, structural principles, and aesthetic of music. Not designed for students majoring in units. *MW, XI*.

B4a-B4b. History of Music.

MR. SUTHIL

A general survey of the history of occidental music from beginning of the Christian era. Prerequisite: Music A1. *TTh, IV*.

5b. Advanced Harmony. MR. ALLEN
 secondary harmonies. Modulation and chromatically altered
 chords. Extensive keyboard drill. Creative work is encour-
 aged from the beginning. Harmonization conducted on a
 diatonic basis. Prerequisite: Music A1 or equivalent. VII.

6b. Advanced Dictation. MR. ALLEN
 continuation of A2a-A2b, employing triads, seventh chords and
 modulation. Dictation in two, three, and four part harmony. To
 be taken simultaneously with B5 by music majors. Prerequisite
 MF, IX. 2 units.

-C107b. Counterpoint. MR. ALLEN
 study of Simple Counterpoint in the five species with an aim
 to learn the art of free part-writing. Creative work in various
 contrapuntal forms, as the Invention and the Suite, will be under-
 taken during the course. Prerequisite: Music B5. VI.

Form and Analysis. MR. SUTHERLAND
 designed to lead to a clear understanding of the principles upon
 which musical form is based, and to the application of these prin-
 ciples in the works of the great masters of form. Prerequisite:
 Music B5. 2 units. First semester. TTh, II.

-C110b. Church Music. MR. CLOKEY
 ancient forms of worship, with their traditional music will
 be studied and presented in public. The liturgies considered will
 be the Roman, Lutheran and Anglican. The music will be mainly
 monophonic and polyphonic. Should be of interest to students of
 History and Religion as well as musicians. Two periods per
 week. One unit. XII.

-C111b. The Choral Literatures of the Church. MR. CLOKEY
 survey of church music, ancient and modern, with a view to
 its adaptability to present day church usage, both liturgical and
 non-liturgical. Two periods per week. One unit. A.

-C113b. Orchestration and Instrumentation. MR. GRAY
 study of the instruments of the modern orchestra; their
 history, technical limitations and use in various groups; study
 of scores and the technique of scoring; the theory and practice
 of conducting. This course is especially designed to meet the
 needs of a student desiring the state certificate. Prerequisite,
 Music B5. I.

-D108b. Free Composition. MR. ALLEN
 advanced original work in the shorter free styles. Text—Goet-
 te's "Homophonic Forms." Prerequisite: Music C107. A.

Public School Music Methods. MR. COLEMAN
 selection, presentation and interpretation of the song. Methods
 of developing sight-singing and other technical problems. A

brief study of child psychology. Teaching plans with a bibliography of material. First semester. 2 units. *A*.

APPLIED MUSIC

I. Class Instruction (No special fees).

B7a, B7b. Choral Singing.

MR. LY.

The study and production of choral music, especial attention given to diction, phrasing, content of the works dealt with and an understanding of musicianship as applied to choral singing. The Class will be organized as the College Choir and such will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays and Thursdays from 11:30 to 12:20. 1 unit. The course may be repeated for credit.

B9a-B9b. Ensemble Playing.

MR. C.

The principles of ensemble playing approached through practice with emphasis on accuracy in technic, intonation, rhythmic tone quality; practice in conducting from complete and condensed conductor's scores. Three hours of attendance weekly equals one hour credit. The course may be repeated for credit.

II. Individual Instruction (Special fees charged).

The student in applied music under individual instruction may be enrolled for credit toward the Bachelor of Arts degree upon the written recommendation of the Chairman of an Existing Committee and the Head of the Department, and upon the subsequent favorable action of the Classification Committee. The recommendation is based upon the degree of ability and advancement shown in Proficiency Tests. In addition the work in applied music must be accompanied or preceded by A1 or A2. A semester or year or more of credit is possible when the applied course is accompanied or preceded by B5 or B6. A minimum of two half lessons weekly is required for which two hours' credit is allowed. No college credit is given for work below "B" (Sophomore). (As many Freshmen are able to pass the prerequisite tests allow them to take "B" grade work, students of all classes are advised to confer with the Head of the Department regarding eligibility for credit.) Not more than 12 hours' credit in applied music may be counted toward the Bachelor of Arts degree unless the student is able to present a total of 8 hours of "D" (Senior) grade work in any subject. In this case 16 hours' credit may be allowed. Proficiency tests are required only of students desiring credit toward the Bachelor of Arts degree.

Voice

MR. LYMAN, MISS STEVENSON

Organ

MR. C.

Piano

MR. OLIVE, MR. SUTHERLAND

Violin

MR. UN

Cello and Orchestral Instruments

MR.

Lessons on other instruments may be arranged for private instruction through the office of the Music Department.

Group Instruction (Special fees charged).

Class lessons for beginning students are offered at special rates, registration of four persons being set as the class minimum. For this work no collegiate credit is given. Each class meets once a week for an hour.

PHILOSOPHY**Introduction to Logic.****MR. IREDELL**

study of the elements of deductive and inductive reasoning with special emphasis upon the problems of definition, the nature and use of scientific hypotheses, probability, and deductive and inductive fallacies. Both semesters. *I.*

Ethics.**MR. DENISON**

study of the nature of morality, the problem of human freedom, the standard of judgment of right and wrong and of social and individual judgments on moral questions. An examination of conscience and reason and a consideration of specific ethical problems are included. (*Omitted in 1935-1936*).

a, C125b. History of Philosophy.**MR. IREDELL**

study of the main currents of thought from the earliest Greek thinkers through modern philosophic thought. The course is designed to be a general and cultural introduction to philosophy through history. *VI.*

Introduction to Philosophy.**MR. IREDELL**

introductory consideration of the meaning and method of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology and a review of some of the main philosophic estimates of life. Second semester. *V.*

Philosophy of Evolution.**MR. DENISON**

study of the nature of the evolutionary process, with examination of Darwin's idea of evolution, and later theories, in their scientific and metaphysical aspects, such as mechanism, teleology, adaptive evolution, and the place of man and value in the order. In 1935 this course will include a brief inquiry into the philosophy of science. (*Omitted in 1935-1936*).

Contemporary Philosophy.**MR. IREDELL**

study of contemporary philosophic thought through some of the main modern thinkers with special reference to the dominant ideas of the civilization of today. Second semester. *IV.* Prerequisite, any C or D course in philosophy.

Philosophy of State and Law.**MR. DENISON**

philosophical study of the nature and function of the state

and its basis in human nature, together with an examination of the philosophies of democracy, of the economic order of internationalism and of law. Background in Social Psychology, Political Science and permission of instructor required. First semester. *IV*.

PHYSICAL EDUCATION

Students who wish to prepare to teach physical education in public schools may qualify for the general credential with a major in physical education by completing a program of courses in Pomona College, followed by a year of graduate work in Claremont College.

MEN AND WOMEN

A student may count toward graduation not more than one hour per semester in "sports" and "activities" during his Lower Division years, and not more than one-half-hour per semester during his Upper Division years.

C126. Community Health.

MISS KE

A brief survey of the field of public health in the United States. Environment and other contributory causes of disease; conservation of child life. Modern scientific hygiene and the coordination of the total health teaching program. Second semester. 2 units. *TTh, IV*.

C127. Community Recreation.

MR. H

A study of the organization of the school and the public grounds, the types of leadership, and types of activities suited for various age periods. Discussion of the techniques of organizing the recreation center. Organization of leadership. Second semester. 2 units. *WF, IX*.

C128. Nature and Function of Play.

MISS KE

The biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out habits, attitudes and judgments. First semester. 2 units. *A*.

C130. Kinesiology.

An analysis of joint and muscular mechanisms, and their relation to problems of bodily development and efficiency. Prerequisite: Anatomy. Second semester, *III*.

D131. Physical Deviations.

Study of the causes, prevention, and correction of physical defects. Laboratory work includes methods of examination, prescription of exercises, and massage. Prerequisite: C130. First semester *MW, I*; and laboratory *A*.

D133. Principles of Physical Education.

MR. I

Limited to Seniors preparing to teach Physical Education. Second semester. *VII*.

MEN

Students engage in programs of physical education activities according to individual needs as determined by medical and physical examinations and tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. Among the minimum requirements of the Department are good posture, ability to swim, elementary skill in self defense or gymnastics, proficiency in fundamental activities, reasonable skill in at least one individual sport and in one team game.

The following physical education activities are carried on under the supervision of the Department: Archery, badminton, baseball, basketball, boxing, corrective exercises, cross country running, football, golf, gymnastics, swimming, tennis, touch football, track and field athletics, volleyball, water polo, wrestling. The student obtains credit in the required courses listed below by participation in activities selected in accordance with the principles set forth in the preceding paragraph.

The College program of intercollegiate athletics is an integral part of the program of Physical Education. No student is permitted to participate in the more strenuous forms of competition without a statement from the College Physician indicating that the individual is physically fit for such participation.

1b. Physical Education Activities. THE STAFF
Required, Freshman year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

2b. Gymnastic Exercises. MR. STREHLE
Required of Freshmen not taking military. $\frac{1}{2}$ unit. *A*.

Hygiene. MR. NIXON
Required either semester. 2 units. *TTh, VI*.

3b. Physical Education Activities. THE STAFF
Required, Sophomore year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

4b. Physical Education Activities. THE STAFF
Required of Sophomores not taking military. Sophomore year.
unit. *A*.

C105b. Physical Education Activities. THE STAFF
Required, Junior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

C107b. Physical Education Activities. THE STAFF
Required, Senior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

D219b. Technique of Teaching Physical Education
Activities. MR. HEATH, MR. STREHLE and MR. MERRITT
This course is devoted mainly to methods in teaching and supervising athletics. 2 units. *A*.

WOMEN

A medical and physical examination is given all entering students with subsequent posture tests. Physical activities are all or prescribed as the result of these examinations. Participation A11a-A11b is required for the Freshman year. Students may have freedom of election in other activities in so far as medical and physical examinations warrant, but must include during the Freshman and Sophomore years one individual sport, one team or group sport, and one semester of either tap, folk, or natural dancing.

ACTIVITY

Six units of Physical Education Activities are required for graduation. One-half unit is credited for A11, Fundamentals of Physical Education. The remaining 5 units may be earned by participation in any of the following activities.

Individual Sports	Team Sports	Dancing	Gymnastics
Archery	Basketball	Folk	Danish
Badminton	Baseball	Natural	Individual
Golf	Hockey	Tap	
Riding	Speedball		
Riflery	Volley Ball		
Swimming			
Tennis			

Course in Recreational Games including:

Croquet	Shuffle Board
Horseshoes	Tenniquoits
Paddle Tennis	Tether Ball
Ping Pong	

A11a-A11b. Fundamentals.

Required, Freshman year. $\frac{1}{2}$ unit. *A*.

A12a-A12b. Sports and Dancing.

Required, Freshman year. $\frac{1}{2}$ to 1 unit. *A*.

B13a-B13b. Fundamentals.

Required, Sophomore year, 1 unit. *A*.

C115a-C115b. Sports and Dancing.

Required, Junior year. $\frac{1}{2}$ unit. *A*.

C117a-C117b. Sports and Dancing.

Required, Senior year. $\frac{1}{2}$ unit. *A*.

THEORY

A5. Hygiene.

2 units. Each semester. *TTh, VI*.

C119a-C119b. Methods in Coaching and Supervising Sports.

1 unit. *A*.

PHYSICS

A1b. Introduction to Physical Science.

MR. TILESTON and MR. HAUPT

non-mathematical course intended for those who wish to obtain a knowledge of the fundamental facts, theories and applications of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the electron structure of matter. *V*. Fee, \$3.00 each semester.

B2b. General Physics

MR. TILESTON

study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. *I*.

B4b. Physical Measurements. MR. TILESTON and ASSISTANTS
quantitative laboratory work in the subjects indicated in Course B2a-B2b. Must accompany B2a-B2b. *IV* and *Th*, 1:15-4:15. 1 or 2 units. Laboratory fee, \$3.00 each unit.

Slide Rule and Precision of Measurements. MR. HAUPT
study of the principles of precision of measurements and the application of these principles to experimental data. The student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics B2, B4. 3 units. First semester, *A*. Fee \$3.00.

-C111b. Electricity and Magnetism. MR. TILESTON
course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics B2, B4. 3 units. *II*.

-D109b. Electrical Measurements. MR. TILESTON
laboratory in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacity. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite; Physics C111a-C111b preceding and accompanying this course. 1 or 2 units. *A*. Laboratory fee, \$3.00 each unit.

D113b. Mechanics. MR. HAUPT
statics and dynamics of motion. Study of forces and their relation to motion. Concepts of work, power, momentum, impulse. Centers of mass, moments of inertia, products of inertia.

COURSES OF INSTRUCTION

Statics and the equilibrium of particles, rigid bodies framed structures with special emphasis on engineering applications. Mechanics and atomic physics. Prerequisite: Calculus VII.

D115a-D115b. Physical Optics.

MR. H.

The fundamental laws of geometrical optics, the wave theory of light, interference, diffraction, polarization, electromagnetic theory of light, reflection and refraction, dispersion, magnifying optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics B2 and Calculus. VI.

D117a-D117b. Optics Measurements.

MR. H.

Quantitative verification of the laws of geometrical optics, interference, diffraction, polarization, dispersion and refractive index. Photometry and photography. Special emphasis will be given to the work in experimental spectroscopy. Laboratory to accompany D115. 1 or 2 units. Laboratory fee, \$4.00 per unit. TH F, 1:15-4:15.

D200a-D200b. Modern Physics. MR. TILESTON and MR. H.

Electromagnetic theory of radiation, the electron, properties of moving charged bodies. Kinetic theory of gases, thermodynamics, photoelectric effect. X-rays, spectroscopy, critical potential, radioactivity, isotopes. 1 unit. A.

D220. Research.

MR. TILESTON and MR. H.

The following problems are in progress in the department:

- A. Properties of high energy ions.
- B. Energy losses in electron beams due to inelastic collisions with atoms and molecules.
- C. Molecular constants by band spectra methods.

Majors in the department who are properly qualified will be accepted as research associates in the study of these problems. Each semester. 1 to 3 units. A. Laboratory fee, \$2.00 per unit.

POLITICAL SCIENCE AND LAW

INTRODUCTORY COURSES

A1a, A1b. The Foundations of Government.

MR. I.

The genesis and nature of political control, particularly its development in societal, psychological, and economic processes, will be examined in the first semester. Major problems which will be the effort to establish and exercise political control are analyzed and defined during the second semester. Registration is restricted exclusively to lower division students. 2 or 3 units. TH F, 1:15-4:15, with third hour, A, for those permitted to register for three hours.

B3b. Contemporary Governments.

MR. SAIT

First semester. Modern solutions to problems in the field of political control. The character, institutional forms, and political practice of the principal contemporary foreign governments with special attention to English government. Second semester. American government including a study of the principles and problems of American national, state and municipal polity. *IV.*

C. Principles of Politics.

MR. STORY

An examination of the fundamental forces, practices and problems revealed by man's experience in the art of government. Primarily for junior college transfers. Not open to those who have had A1. 2 or 3 units. First semester. *WF, VII*, with a third year, *M, VII*, for those permitted to register for three units.

ADVANCED COURSES

Unless otherwise specified seven or eight hours work in the introductory courses, listed above, or the written consent of the instructor, is an absolute prerequisite for registration in the following courses.

C103a, C103b. Municipal Problems.

MR. STORY

Modern experience in adjusting the relations between central governments and cities and the attempts of the latter to reorganize their polity to meet the terms imposed by democratic ideals and scientific technology are considered in C103a. The special conditions which arise in metropolitan communities and the effort to refashion their political mechanisms and processes, with special attention to metropolitan areas in California, are surveyed C103b. *III.*

Introduction to Law.

MR. BURGESS

The development of American law and legal institutions with an analysis of the rights and liabilities arising from the more common legal relationships. First semester. *I.*

C108b. International Relations.

MR. SAIT

In the first semester the main subjects of discussion will be economic discords and harmonies, the cause and effect of war, methods of adjusting disputes, international co-operation, the peace movement, and particularly the League of Nations. The second semester will be devoted to a survey of international law: its nature, sources, and content, with emphasis upon the significance of post-war instruments such as the Covenant of the League, the Statute of the Court, and the Pact of Paris. *II.*

Political Problems of Eastern Asia.

MR. STORY

A survey of the contemporary political life and international relations of China, Japan and Asiatic Russia, with particular emphasis upon China. Open to upper division students who have a satisfactory elementary knowledge of one or more of the follow-

ing subjects: Political Science, History, Economics, Sociology, Philosophy. 2 hrs. Second semester. *WF, VII*, with a 1 hour at the pleasure of the instructor. (*Omitted in 1935-1936*)

D112. Public Opinion.

MR. ST

The origin and nature of individual and group attitudes toward public affairs and the relation of individual and group opinion to citizen conduct is examined; there is also an inquiry into the processes by which opinion is formulated and expressed and how it becomes effective in law and policy. Second semester. *VI*.

D113a, D113b. Political Institutions.

MR.

In the first semester attention will be given to the method of approach (theoretical, scientific, economic, historical, and comparative), to the origin of the state, its fundamental attributes and the chief forms that it assumes. In the second semester the organs of the state, such as legislature or civil service, will be examined in the light of past evolution and present tendencies. *VI*.

D114. Constitutional Law.

MR. BUR

An examination of the Constitution of the United States and the decisions of the Supreme Court upon questions arising thereunder. Second semester. *I*.

THE READING PROGRAM IN POLITICAL SCIENCE

A student who desires to read in Political Science will qualify for concentration in the Division of Social Sciences (see p. 101) and will adopt the following Reading Program as the dominant feature of his upper division work. This program is designed to prepare those who aspire to intelligent participation in public affairs, to enter public service or to do graduate work in Political Science or Law. The Reading Program represents a possible twenty-four hours of credit in the department, with an additional six hours contingent upon the completion of reading courses planned for the summer months. The amount of credit to be assigned to any individual Reader will depend upon the appraisal of his work at the end of his Senior year. At that time a series of comprehensive examinations, written and oral, are given to all Readers during the month of May with a view to testing the Reader's range and thoroughness of achievement and the degree of maturity which characterizes his thinking. Readers who seek their degree with "Distinction in Political Science" will also prepare a thesis during the Senior year:

The Reading Program emphasizes certain features which are designed to assure perspective and to impart organization and direction to the Reader's effort in the field as a whole:

(1) Each Reader registers, not for individual courses, but for the entire program, e.g., C151, C152 in the Junior year, and D252 in the Senior year. In making up their programs Readers

ed to confer with all members of the Department, but registration will be made through the head of the department.

2) As directive and contributing elements, not less than four departmental courses will be incorporated and completed with Reader's program, registration for these being indicated as follows: C151 (C108) or D252 (D112).

3) Readers are furnished a selected bibliography covering the sections of the program; in consultation with some member of the department they will formulate their program of reading for the semester and for summer work if the latter is entered upon. Each reader is responsible for a sound general knowledge of the material indicated in each section, and is expected to develop such individual emphasis as interest and time dictate and as may be agreed in consultation with his adviser in three subjects chosen under section 2.

4) In addition to individual conferences with a member of the department who acts as his adviser, each reader will meet bi-weekly in a pro-seminar group with the departmental faculty for the presentation of selected reports and discussion.

, C152. Reading in Political Science.

MR. BURGESS, MR. SAIT and MR. STORY

D252. Reading in Political Science.

MR. BURGESS, MR. SAIT and MR. STORY

Political Thought: The great classics of Political Science from Plato's *Republic* to the significant works of contemporaries.

Governmental Institutions: General Reading in the following subjects, in three of which individual emphases shall be stressed.

- a. American Government.
- b. Foreign Governments.
- c. Comparative Municipal Government.
- d. International Political Institutions.
- e. Comparative Legal Institutions.
- f. Public Opinion.
- g. Public Administration.

Political Biography: The lives of great public leaders, with special emphasis upon those of the United States and Great Britain. "Works" and autobiographies will be included.

Bibliography and Methods: A survey of bibliographical resources in selected branches of the field; methods of investigation including the technological contributions of history, law, sociology, psychology and statistics. 24-30 units. *A*.

PSYCHOLOGY

B1 is prerequisite to all further courses in the department. sections in B1 are limited to forty each.

- B1. Elements of Psychology.** MR. EWER and MR. E. The fundamental facts and laws of the mind. Principles of sensation, perception, memory, thought, feeling, emotion, instinct and will. The relation of mental processes to the nervous system and to action. Each semester. First semester, Mr. Ewer, *IV* and *VI*; Mr. Ellis, *III*; second semester, Mr. Ellis, *VI*; Mr. Ewer, *V*.
- C104. Child Psychology.** MR. E. An intensive survey of physical and mental growth and development. Particular attention will be given to methods of training and to the hygiene of growth. Second semester. *VII*.
- C105. Individual Differences.** MR. E. A study of the nature and extent of individual differences and their causes as determined by objective methods. Age, sex, race differences. Genius, subnormality, insanity and criminality. The organization of mind. Applications in various fields considered briefly. First semester. *IV*.
- C106. Problems of Psychical Research.** MR. E. The mysterious phenomena of the mind presented in the history of scientific psychology. The subjects considered include hyperesthesia, automatism, illusions and hallucinations, hypnotism, contemporary occultism and spiritualism. Second semester. *VI*.
- C107. Educational Psychology.** MR. E. Practical applications of psychology to education. The nature of the learner; principal features of the learning process; principles of motivation; methods of mental measurement. First semester, *VII*. Second semester, *IV*.
- C108. Applications of Psychology.** MR. E. A critical study of the fundamental principles underlying psychology together with their application in various fields, especially business, psychotherapy and law. First semester, *VII*.
- C118. Experimental Psychology.** MR. E. A laboratory course in psychology accompanied by lectures and discussions of the principles of scientific method used in psychological investigations. Second semester. Class, *MW, III*; laboratory, *W, 1:15-4:10*. Laboratory fee, \$2.00.
- D112. Social Psychology.** MR. E. Mental processes underlying social order and progress of the individual as the social unit; collective forms of behavior. First semester. *V*.

7. The Nature and Measurement of Intelligence. MR. ELLIS
study of the nature of intelligence and the principles and
methods of intelligence testing with special emphasis upon the
method of giving the Stanford Revision of the Binet Tests. Sec-
ond semester. *IV*.

9a, D209b. Advanced Psychology. MR. EWER and MR. ELLIS
(submitted in 1935-1936).

PUBLIC ADDRESS

A1b. English: An Introductory Course. MR. SCOTT
(In cooperation with the Department of English).

The fundamental principles of literary criticism and interpreta-
tion together with reading and study of specimens of the more
important literary types; instruction and practice in writing and
speech. 4 units. Prerequisite for all other departmental courses.
Men: *WF, I*; section meetings at *II*; Women: *TTh, II*; section
meeting at *I*.

B32b. Public Address. MR. SCOTT
Exercises in voice development and platform deportment. Train-
ing in analysis of subjects, selection and arrangement of ma-
terial, psychological adaptation of material and treatment to
specific audiences. 2 units. *MW, III*.

B33b. Principles of Interpretative Reading. MR. SCOTT
Study of the technique of effective oral interpretation of liter-
ature. Application of this technique in the reading of various
literary types. 2 units. *MW, V*.

B35b. Argumentation and Debate. MR. SCOTT
Study of the principles of argumentation and practical appli-
cation of these principles in class debates. Debate subjects for
year analyzed and debated. 2 units. *TTh, IV*.

-C131b. Advanced Public Address. MR. SCOTT
Training in the construction and delivery of formal addresses.
Prerequisite: Public Address B32 or equivalent. 2 units.
, VII.

-C134b. Reading of Dramatic Literature. MR. SCOTT
Intensive study of a limited number of standard plays, with
emphasis on dramatic values in character and plot. Interpre-
tation of these plays in class. Recital programs before
class. Prerequisite: Public Address B33 or equivalent.
Units. *TTh, VI*.

COURSES OF INSTRUCTION

RELIGION

A1a, A1b. Orientation in Religion.

MR. BRO

An analysis of the essential factors in civilization with especial reference to the influence of modern thought in the interpretation of religion and with reference to the contributions of religion to civilization. *VI*.

B2a, B2b. Introduction to the Literature of the Bible. MR. F

The first semester deals with the books of the Old Testament in their chronological order, their authors, their significance. The second semester is devoted to the literature of the New Testament. 2 units. *WF, XI*.

B3a, B3b. The Development of Religion among the Hebrews.

MR. F

In the first semester the development of religious ideas and practices is traced from the beginning to the time of the Eighth century prophets. The second semester is devoted to a study of the great prophets. 2 units. *TTh, XII*

C104a, C104b. Christian Origins.

MR. F

In the first semester especial emphasis is laid upon the teaching of Jesus and the significance of his life. The second semester is devoted to the study of the first interpreters of Jesus with especial reference to the influence of Paul in modifying and interpreting the religion of Jesus. *VII*.

C109a, C109b. The Religious World.

MR. B

This course surveys the origin and growth of religious creeds and doctrines. The characteristics of a fully developed religion are traced. The rise of modern religious ideas and the place of religion in modern life are reconstructed—with a brief survey of the World's Great Religions. *IV*.

ROMANCE LANGUAGES AND LITERATURES

FRENCH

A1a-A1b. Elementary.

MRS. BISSIRI, MR. CROWELL, MISS W

Essentials of grammar and pronunciation; readings from modern texts; writing from dictation; practice in speaking. *VII*. (2 sections).

B3a-B3b. Intermediate.

MRS. BISSIRI, MR. CROWELL, MISS W

A review of grammar with the translation of moderately difficult English into French; conversation. Extensive reading of modern French texts representing as many literary forms as possible.

part of this reading is done as outside assignments; French history, geography, culture, etc., are stressed in class discussions as far as time allows. *III* (2 sections), *VII*.

a, C103b. Literature of the Nineteenth Century.

MRS. BISSIRI

In the first semester stress will be upon the theater, from the romantic period to the end of the century. In the second semester, an intensive study of the romantic poets will be made, followed by a consideration of the later poets and certain prose writers outside the field of the novel. *V*.

a-C111b. Composition and Conversation.

MRS. BISSIRI

Extensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation, phonetics being used as an aid. This course is conducted, for the most part, in French. *IV*.

a, D113b. Literature of the Seventeenth Century.

MRS. BISSIRI

In the first semester, introductory lectures on the historical background and the precursors of the great dramatists, with a detailed study of the great plays of Corneille and Racine and certain of the writings of Boileau, Mme. de Maintenon and others; followed in the second semester by a detailed study of Molière and a consideration of La Fontaine, La Bruyère, Descartes, Pascal, etc. *XI*.

Le Moyen Age et La Renaissance.

MR. JONES

Introductory lectures on the language and literature of the middle ages. Study of early French poetry; Les chroniqueurs; Chanson, etc. Followed by lectures on the Renaissance and a study of the *Pléiade*, Rabelais, Montaigne, Marot, etc. Collateral readings. First semester. *IV*.

Literature of the Eighteenth Century.

MR. JONES

Critical study of the French philosophers of the eighteenth century with especial attention to Montesquieu, Voltaire and J. J. Rousseau. Collateral readings and reports. Second semester. *IV*.

SPANISH

1b. Elementary.

MISS HUSSON

Elements of grammar and pronunciation; readings from easy modern texts; writing from dictation; practice in speaking. *VII*.

2b. Intermediate. Grammar Review and Modern

Readings.

MR. CROWELL and MISS HUSSON

Review of grammar with the translation of moderately difficult English into Spanish; conversation. Extensive reading of mod-

ern Spanish texts chosen to represent as many literary forms as possible; a part of this reading is done as outside assignment. Spanish history, geography, culture, etc., are stressed in discussions as far as time allows. Prerequisite: Spanish equivalent. Two sections. *V, XI.*

C103. The Theater of the Nineteenth Century. MISS H

Study of the works of such dramatists as Moratín, Martí de la Rosa, Duque de Rivas, Gutiérrez, Hartzenbusch, Lolo Ayala, Bretón de los Herreros, Tamayo y Baus, Echegaray and others. First semester. *VI.*

C104. The Novel of the Nineteenth Century. MISS H

Study of certain of the works of Fernán Caballero, Pereda, Alarcón, Valera, Pereda, Galdós, Pardo-Bazán, Valdeblanco, Blasco Ibañez. Second semester. *VI.*

C111a-C111b. Spanish Composition and Conversation.

Intensive drill in written and oral expression; free composition; dictation; conversation, on assigned topics or extemporaneous. Especial stress on the acquisition of a correct pronunciation and intonation. This course is conducted, for the most part, in Spanish. *IV.*

D113. The "Quijote" and the Novel of the "Siglo de Oro."

Introductory lectures and assigned readings on the prose of the Golden Age; and intensive class study of Cervantes' the "Quijote." First semester. *I.*

D114. The Theater of the "Siglo de Oro."

Introductory lectures and assigned readings. Intensive class of at least one play each of Lope de Vega, Ruiz de Alarcón, Tirso de Molina and Calderón. Extensive outside reading of further works of these authors and of some of the lesser dramatists. Second semester. *I.*

D117a, D117b. Survey of Spanish Literature.

The development of Spanish literature from the earliest times to the present. In connection with readings and reports opportunity will be afforded each student to work up phase of subject in which he finds himself deficient. *XIII.*

ITALIAN

B31a-B31b. Elementary.

A rapid survey of the grammar with special emphasis on pronunciation. Extensive reading of modern prose. Open to students who have a thorough grounding in French, Spanish or Latin. *VI.*

SOCIOLOGY

321b. Elements of Sociology.

MR. KIRK

Introduction to the study of society. Designed to give the student an orientation in the social sciences and to develop a critical, comparative, and constructive attitude toward contemporary social problems. Application of sociological principles to modern social problems, such as race prejudice and movements of population, urbanization and neo-Malthusianism, marriage and divorce, poverty and crime, child welfare, leisure time activities. *IV* and *VI*.

Criminology.

MR. KIRK

The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new scientific approach to the treatment of delinquents in the courts and in penal institutions. Prevention of delinquencies through control of the causes. First semester. *V*.

Labor Problems.

MR. KIRK

Survey of labor problems and causes of industrial unrest, collective bargaining and trade unionism, child labor, scientific management, labor legislation, methods of promoting industrial peace, problems of reconstruction. Second semester. *V*.

Poverty and the Community.

omitted in 1935-1936).

Social Aspects of Race Relations.

omitted in 1935-1936).

The Family.

omitted in 1935-1936).

Theories of Social Reform.

MR. KIRK

Study of various proposals for social reconstruction including: Utopians, Marxian Socialism, Fabian Socialism, Syndicalism, Anarchy. An investigation of contemporary experiments in social reorganization: The British Labor Movement, The Fascist Movement, Soviet Russia and the Cooperative Movement in Europe, Asia, and America. First semester. *III*.

Contemporary Sociological Thought.

MR. KIRK

Analysis of the facts and forces involved in the organization and modification of society with special emphasis upon isolation, social distance, conflict and accommodation. Survey of the leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Second semester. *III*.

D251, D252. Advanced Studies in Sociology.

Research in social problems and agencies. Various techniques which have been developed in sociological research will be in making individual or group surveys for the purpose of demonstrating the relative merit, the special contribution and the definite limitations of the several tools of research. *A. (Omitted 1935-1936).*

SUMMER SESSION

ough the main work of the Summer Session formerly conducted by Pomona College has been transferred to Claremont College, Pomona College still maintains summer work at Laguna and Bluff Lake.

Department of Zoology conducts work at the Laguna Marine Laboratory, Professor W. A. Hilton, Director.

the Pomona College summer camp in the San Bernardino Mountains, Professor Taylor gives theoretical and practical work in surveying and Mr. Beggs gives instruction in applied art.

SUMMARY OF STUDENTS

1934-1935

Compiled March 1, 1935

-	-	-	-	-	-	-	-	-	163
-	-	-	-	-	-	-	-	-	158
iores	-	-	-	-	-	-	-	-	184
en	-	-	-	-	-	-	-	-	204
-	-	-	-	-	-	-	-	-	15
Total Enrolment	-	-	-	-	-	-	-	-	724

In addition to the above, 4 Claremont Colleges students, 80 College students and 10 students from La Verne College have taken some work in Pomona College during 1934-1935.

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KEY

Permanent



Temporary



Proposed



Fields



Guild Hall

Church

5th

8th

7th

Street

Street

6th

Street

Street

4th

Ave.

Ave.

Ave.

Marston
Quadrangle

3rd

Street

2nd

Street

Yale

Harvard

College

City Hall

City Library

38

Post Office

First

31

32

33

36

39

Women's
Campus

Street

Pacific Elect Ry
Station

Santa Fe Station

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PERMANENT

3. Men's Dormitory and Dining Hall:
Eli P. Clark and Frary Halls
5. Men's Dormitory
6. Tennis Courts
7. Alumni Athletic Fields
8. Training Quarters
9. Swimming Pool

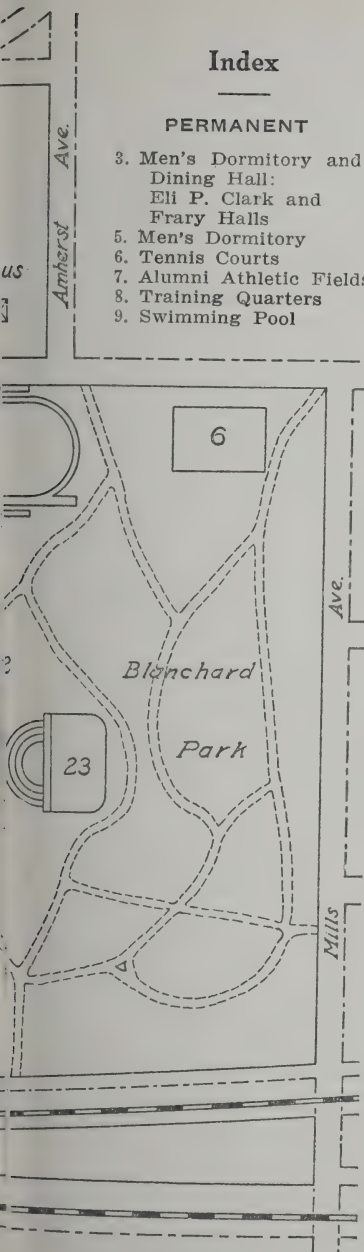
10. Smiley Hall:
Men's Dormitory
11. Holmes Hall:
Assembly Hall
13. Pearsons Hall
16. Crookshank Hall
17. Mason Hall
18. Library
19. Bridges Auditorium
22. Brackett Observatory
23. Open-Air Theater
24. Hockey Field
25. Tennis Court
26. Sumner Hall:
Administrative Offices
27. Bridges Hall
28. Rembrandt Hall
29. President's House
30. Claremont Inn
32. Harwood Court:
Women's Dormitory
37. Women's Dining Hall
40. Heating Plant

TEMPORARY

1. Garages
2. College Shops
15. Harwood Hall
20. Little Gymnasium
21. Big Gymnasium
31. Wilby House:
Women's Dormitory
33. Women's Dormitory
34. Women's Building
36. Garages
38. Haddon Hall:
Women's Dormitory

PROPOSED

4. Men's Dormitory
12. Botany Building
14. Physics Building
35. Women's Dormitory
39. Women's Gymnasium



7

Pomona College Bulletin

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Annual Catalog

1936-1937

Claremont • California

CORRESPONDENCE

Correspondence should be addressed as follows, the postoffice address being in every case Pomona College, Claremont, California:

Requests for catalogs, bulletins and general information, also					
inquiries regarding Public Events and Lectures	-	-			
-	-	-	-		SECRETARY OF THE FACULTY
Admission of Students	-	-			DIRECTOR OF ADMISSIONS
Business Affairs	-	-	-	-	CONTROLLER
Student Affairs	-	-	-		DEAN OF THE COLLEGE AND DEAN OF WOMEN
Alumni Affairs					SECRETARY OF THE ALUMNI ASSOCIATION

POMONA COLLEGE BULLETIN

PUBLISHED MONTHLY, EXCEPT JULY AND AUGUST
BY POMONA COLLEGE

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CCXXIII

MARCH, 1936

No. 7

HOSPITALITY

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is owned and operated by the institution. Parents and friends are invited to use the facilities of the Inn for long or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses the friendliness of the colleges and the community.

Forty-ninth Year

omona College Bulletin

ANNUAL CATALOG

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UNIVERSITY OF ILLINOIS

REGISTER OF OFFICERS AND
TEACHERS FOR THE YEAR
1936 - 1937, REQUIREMENTS
FOR ADMISSION, DESCRIPTION
OF COURSES AND GENERAL
INFORMATION

March, 1936

CLAREMONT · CALIFORNIA

Published by the College

1936

1937

JANUARY S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 --- -----	JULY S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 --- -----	JANUARY S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 --- -----	JULY S M T W T F S ----- 1 4 5 6 7 8 11 12 13 14 15 16 18 19 20 21 22 23 25 26 27 28 29 30 -----
FEBRUARY S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 -----	AUGUST S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 --- -----	FEBRUARY S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 --- -----	AUGUST S M T W T F S 1 2 3 4 5 8 9 10 11 12 13 15 16 17 18 19 20 22 23 24 25 26 27 29 30 31 --- -----
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APRIL S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 --- -----	OCTOBER S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 -----	APRIL S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 --- -----	OCTOBER S M T W T F S 3 4 5 6 7 10 11 12 13 14 17 18 19 20 21 24 25 26 27 28 31 --- -----
MAY S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 --- -----	NOVEMBER S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 --- -----	MAY S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 --- -----	NOVEMBER S M T W T F S 1 2 3 7 8 9 10 11 14 15 16 17 18 21 22 23 24 25 28 29 30 --- -----
JUNE S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 --- -----	DECEMBER S M T W T F S ----- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 --- -----	JUNE S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 --- -----	DECEMBER S M T W T F S 5 6 7 8 9 12 13 14 15 16 19 20 21 22 23 26 27 28 29 30 -----

COLLEGE CALENDAR

1936

ember	14, Monday	Conference Day for all new students
ember	15, Tuesday	Registration Day for all new students
ember	16, Wednesday	Registration Day for returning students
ember	17, Thursday	Registration Day for returning students
ember	17, Thursday	Opening Convocation, 11:00 a. m.
ember	17, Thursday	First Semester Classes begin, 1:15 p. m.
ber	15, Thursday	Founders Day, Flame Ceremony, 11:00 a. m.
ember	25, Wednesday	Thanksgiving Recess begins, 6:00 p. m.
ember	30, Monday	Thanksgiving Recess ends, 8:00 a. m.
ember	17, Thursday	Christmas Music, 7:00 p. m.
ember	18, Friday	Christmas Recess begins, 6:00 p. m.

1937

ary	4, Monday	Christmas Recess ends, 8:00 a. m.
ary	20, Wednesday	Examinations Begin
ary	30, Saturday	First Semester Ends
ary	1, Monday	Registration Day for Freshmen, Sophomores and Specials
ary	2, Tuesday	Registration Day for Juniors and Seniors
ary	3, Wednesday	Second Semester Classes begin, 8:00 a. m.
ary	4, Thursday	Opening Convocation of Second Semester, 11:00 a. m.
ary	13, Saturday	Matriculation and Parents' Day Convocation, 11:00 a. m.
r	2, Friday	Spring Recess begins, 6:00 p. m.
r	12, Monday	Spring Recess ends, 8:00 a. m.
	28, Friday	Memorial Convocation
	1, Tuesday	Examinations begin
	14, Monday	Commencement

SUMMER VACATION

ember	20, Monday	} Registration Days
ember	21, Tuesday	
ember	22, Wednesday	
ember	23, Thursday	Convocation, 11:00 a. m.

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DIRECTORY OF OFFICERS

CHARLES K. EDMUNDS, President.	209 Sumner H.
GERTRUDE PALMER CLEVERDON, Assistant to the President.	209 Sumner H.
GILBERT N. BRINK, Assistant to the President.	203 Sumner H.
WILLIAM E. NICHOLL, Dean of the College.	101 Sumner H.
JESSIE E. GIBSON, Dean of Women.	112 Sumner H.
ERNEST E. JONES, Treasurer.	Harper H.
GEORGE S. SUMNER, Controller.	Harper H.
GEORGE S. BURGESS, Secretary of the Faculty.	200 Sumner H.
HOWARD HUNT PATTEE, Director of Admissions.	104 Sumner H.
CONSTANCE WOOD, Recorder.	106 Sumner H.
KENNETH DUNCAN, Director of the Library.	Libr.
MARION J. EWING, Acting Librarian.	Libr.
EASTON H. LUM, College Physician.	Dispens.
EDNA PRESCOTT DAVIS, Director of Dormitories.	Fraternity
EARL J. MERRITT, Social Director, Men's Campus.	Eli P. Clark Bldg.
GRACE F. READ, Social Director, Women's Campus.	Harwood C.
MARGARET MAPLE, Alumni Secretary.	202 Sumner H.

BOARD OF TRUSTEES

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LESLIE A. SCHWEITZER	<i>Vice-President</i>
CHARLES K. EDMUNDS, PH.D.	<i>President of the College</i>
WEST E. JONES	<i>Secretary and Treasurer</i>
GEORGE S. SUMNER, PH.D.	<i>Controller</i>

HONORARY TRUSTEES

President of Claremont Colleges, *Ex Officio*
 President of the Alumni Association, *Ex Officio*

Term of Office Expires June, 1936

LESLIE B. HIMROD	Los Angeles
LESLIE J. MCFADDEN	Santa Ana
LESLIE J. REED	Los Angeles
LESLIE S. PATTON, D.D.	Berkeley
LESLIE E. SHELTON	Los Angeles
LESLIE W. FIFIELD, JR. D.D.	Los Angeles

Term of Office Expires June, 1937

LESLIE S. BENT	Los Angeles
LESLIE L. EASTMAN	Hollywood
LESLIE F. HAHN	Pasadena
LESLIE G. MUDD, M.D.	Los Angeles
LESLIE J. WIG	Pasadena

Term of Office Expires June, 1938

LESLIE BIXBY BRYANT	Los Angeles
LESLIE M. DOLE	Pomona
LESLIE K. EDMUNDS, PH.D.	Claremont
LESLIE A. SCHWEITZER	Los Angeles
LESLIE SIBLEY, D.D.	Memphis, Tenn.
LESLIE W. WILLIAMSON	Los Angeles

Term of Office Expires June, 1939

LESLIE FREEMAN, D.D.	Pomona
LESLIE D. C. HARWOOD	Pasadena
LESLIE H. HARWOOD	San Dimas
LESLIE MCLEAN OLNEY	Berkeley
LESLIE I. WILCOX	Lamanda Park
LESLIE E. JONES	Claremont

Term of Office Expires June, 1940

LESLIE BIXBY	Long Beach
LESLIE T. CHAPMAN	Fullerton
LESLIE CLARK EVERSOLE	La Canada
LESLIE W. MARSTON, LL.D.	San Diego
LESLIE P. JENNINGS	Los Angeles
LESLIE S. ARMSTRONG	Los Angeles

FACULTY¹

CHARLES KEYSER EDMUNDS

345 College A

President, 1928.

B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

EDWIN CLARENCE NORTON

145 W. Seventh

Dean of the Faculty and Professor of the Greek Language and Literature on the Edwin Clarence Norton Foundation, 1888. Emeritus.

B.A., Amherst College; M.A., Amherst College and Yale University; Ph.D., Carleton College; D.D., Pacific Theological Seminary. Graduate Student, Johns Hopkins, Columbia and Oxford Universities.

FRANK PARKHURST BRACKETT

270 E. Third

Professor of Astronomy on the Frank Parkhurst Brackett Foundation and Director of the Observatory, 1888. Emeritus.

B.A., Dartmouth College; M.A., Dartmouth College; Sc.D., Dartmouth College. Honorary Fellow, Clark University.

PHEBE ESTELLE SPALDING

261 W. Fifth

Professor of English Literature on the Phebe Estelle Spalding Foundation, 1889. Emeritus.

B.L., Carleton College; M.L., Carleton College; Ph.D., Boston University.

GRACE ELLA BERRY

353 W. Eleventh

Dean of Women, and Associate Professor of Mathematics, 1905. Emeritus.

B.S., Mount Holyoke College; M.A., Mount Holyoke College.

MENDAL GARBUTT FRAMPTON

927 Harvard

Professor of the English Language, 1904.

B.A., M.A., D.Litt., Illinois College; M.A., Harvard University.

WILLIAM ATWOOD HILTON²

1293 Dartmouth

Professor of Zoology on the Willard George Halstead Foundation, 1905.

B.S., Cornell University; Ph.D., Cornell University.

BERNARD CAPEN EWER³

706 Indian Hill

Professor of Psychology, 1916.

B.A., Brown University; M.A., Brown University; Ph.D., Harvard University.

¹Arranged in order of appointment to present rank. The date in each denotes the beginning of original term of service.

²Absent on leave, first semester, 1936-37.

³Absent on leave, second semester, 1936-37.

FACULTY

11

W. H. HAINE LYMAN¹

357 W. Tenth St.

Professor of Applied Music, Head of Department of Music, 1917.
A., Grinnell College. Student in voice with Karleton Hackett, William
Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes
Cawpiper and other American masters and with Vittorino Moratti in Berlin.

D. BEATH JONES

807 College Ave.

Professor of French Literature and Instructor in Italian, 1911.
A., Boston University; M.A., Boston University. Graduate Student,
Universities of Chicago, Geneva and Barcelona.

W. I. EVAN NICHOLL

465 W. Sixth St.

Dean of the College and Professor of Education, 1919.
A., Bellevue College; M.A., Columbia University. Graduate Student,
Edinburgh University.

W. E. ELMER ROBBINS

487 Harrison Ave.

Professor of Classical History and Language, 1915.
A., M.A., Ph.D., University of Michigan.

W. D. CUMMINGS BROOKS

5353 W. 3rd St., Los Angeles

Professor of Religion on the Nancy M. Lyon Foundation, 1921.
Emeritus.

A., Tabor College; B.D., Yale Divinity School; D.D., Tabor College
and Whitman College. Graduate Student, Oberlin College.

W. McCULLEY

210 E. Foothill Blvd.

Professor of English Literature, 1921.
A., Hiram College; M.A., University of Chicago; Ph.D., Harvard
University.

W. M. KIRK¹

705 Indian Hill Blvd.

Professor of Social Economics on the Henry Snyder Foundation, 1922.
A., Johns Hopkins University; Ph.D., Johns Hopkins University.

W. M. POLK RUSSELL

506 E. Sixth St.

Professor of Mathematics on the Joseph W. Fiske Foundation, 1904.
Emeritus.

A., Cumberland University; M.A., Cumberland University. Graduate
Student, Columbia, Harvard and Yale Universities.

W. S. SAMUEL BURGESS

1175 College Ave.

Professor of Law and Secretary of the Faculty, 1918.

A., University of Michigan; J.D., University of Michigan.

on leave, second semester, 1936-37.

- EUGENE WHITE NIXON 1034 Harvard A
Professor of Physical Education for Men, 1916.
 B.A., Monmouth College; M.A., Columbia University. Graduate Stud
 Illinois and California Universities.
- FRANK WESLEY PITMAN 116 E. Twelfth
*Professor of History on the Warren Finney Day Memorial Found
 tion, 1924.*
 Ph.B., Yale University; M.A., Yale University; Ph.D., Yale University
- ROLAND RAY TILESTON 1129 Dartmouth A
Professor of Physics on the Seeley W. Mudd Foundation, 1925.
 B.A., Dartmouth College; M.A., Dartmouth College; D.Sc., Col
 College.
- RUSSELL McCULLOCH STORY 127 W. Eighth
Professor of Political Science, 1925.
 B.A., Monmouth College; M.A., Harvard University; Ph.D., Ha
 University.
- CHARLES TABOR FITTS 826 Harvard
Professor of Education, 1919.
 B.A., Amherst College; M.A., University of California. Graduate St
 Harvard University.
- PHILIP ALEXANDER MUNZ 1165 Indian Hill
*Professor of Botany on the Henry Kirke White Bent Founda.
 1917.*
 B.A., M.A., University of Denver; Ph.D., Cornell University. G
 Student, University of Chicago.
- KENNETH DUNCAN 1100 Harvard
*Professor of Economics on the Stedman-Summer Foundation
 Director of the Library, 1926.*
 B.A., Wabash College; M.A., University of Wisconsin; Ph.D., Un
 of Michigan.
- ALFRED OSWALD WOODFORD 443 W. Ter
Professor of Geology, 1915.
 B.A., Pomona College; Ph.D., University of California.
- JESSIE EDITH GIBSON
Dean of Women on the Martha N. Hathaway Foundation, 1927
 B.A., University of Idaho; M.A., University of Washington. C
 Student, California and Columbia Universities.
- CHARLES JUDSON ROBINSON 809 Indian Hill
Professor of Chemistry on the Carnegie Foundation, 1927.
 B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins Universi

FACULTY

13

ARD TAYLOR¹ 1022 Harvard Ave.
Professor of Engineering Mathematics, 1920.
 E., University of Minnesota; M.A., University of Southern California.
 Graduate Student, University of Oregon.

ARD MCCHESENEY SAIT 238 E. Seventh St.
Professor of Political Science, 1928.
 A., Toronto University; M.A., Toronto University; Ph.D., Columbia
 University.

TER GEORGE JAEGER 833 Indian Hill Blvd.
Professor of Mathematics, 1931.
 A., University of Missouri; Ph.D., University of Missouri.

RT SIDNEY ELLIS 1120 Harvard Ave.
Professor of Psychology, 1931.
 A., University of Arkansas; Ph.D., Clark University.

TER ALFRED ALLEN
Professor of Musical Theory and Appreciation, 1912.
 A., Beloit College; B.Mus., Yale University. Associate, American Guild
 Organists.

TT SAMUEL OLIVE University Club, 8th and Amherst
Professor of Piano, 1923.
 Mus., Simpson College. Graduate Student, Simpson College. Pupil of
 Fritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.

H WADDELL CLOKEY Via Los Altos
Professor of Organ, 1926.
 A., Miami University. Graduate, Cincinnati Conservatory of Music.

RD HUNT PATTEE
Director of Admissions, 1932.
 A., Pomona College; M.A., Stanford University; Graduate Student,
 Columbia University.

E WHITE CROWELL² 1278 Yale Ave.
Professor of Romance Languages, 1929.
 A., Haverford College; M.A., Haverford College; Ph.D., Cornell Uni-
 versity.

LES P. STIVERS
Professor of Military Science and Tactics, 1936.
 A., University of Wisconsin; Graduate, Advanced Course, Infantry
 School; Graduate, Command and General Staff School; Graduate, Army
 College. Major, Infantry, U. S. Army.

on leave, second semester, 1936-37.

on leave, first semester, 1936-37.

ELLIOTT CURTIS LINCOLN

472 W. Tenth

Associate Professor of English Literature, 1924.
B.A., Colby College; M.A., State College of Washington and Harvard University.

BENJAMIN DAVID SCOTT¹

828 College A

Associate Professor of Public Address, 1923.
B.A., University of Southern California; S.T.B., Boston University; Ph.D., Boston University. Graduate work, Boston, Brown and Harvard Universities.

ELIZABETH KELLEY

Maryland A

Associate Professor of Physical Education for Women, 1928.
B.A., University of Wisconsin; M.A., New York University.

WALTER TICKNOR WHITNEY²

445 W. Tenth

Associate Professor of Astronomy, and Director of the Frank P. Brackett Observatory, 1929.
B.S., M.S., Pomona College; Ph.D., University of Chicago.

WILLIAM HENRY COOKE

226 W. Eighth

Associate Professor of History, 1927.
B.A., Pomona College; M.A., Pomona College; Ph.D., Stanford University.

OTIS HAMILTON LEE

419 Yale A

Associate Professor of Philosophy, 1935.
B.A., University of Minnesota; B.A., Oxford University; Ph.D., Harvard University.

BERNARD EUGENE MELAND

Associate Professor of Religion, 1936.
B.A., Park College; M.A., McCormick Theological Seminary; Ph.D., University of Chicago. Graduate Student, Marburg University.

THOMAS MONTAGUE BEGGS

424 W. Tenth

Associate Professor of Art, 1926.
B.F.A., Yale University. Graduate, General Art Course at Pratt Institute.

CARL BAUMANN

1130 Harvard

Associate Professor of German, 1931.
Ph.D., University of Basel.

CLIFFORD NOTT HAND

511 W. 6th

Assistant Professor of Religion, 1919.
B.L., Pomona College; B.D., Pacific School of Religion; M.A., University of Southern California. Graduate Student, University of California.

¹Absent on leave, first semester, 1936-37.

²Absent on leave second semester, 1936-37.

ALPH RAYMOND UNIACKÉ¹

Assistant Professor of Violin, 1923.

Pupil of Franz Milcke.

ELVIN HEATH

462 Baughman Ave.

Assistant Professor of Physical Education for Men, 1922.

B.A., Pomona College; M.A., Stanford University.

BERT LOBINGIER STREHLE

1019 Dartmouth Ave.

Assistant Professor of Physical Education for Men, 1923.

B.A., Pomona College. M.A., Claremont Colleges. Graduate Student, University of Southern California, University of California, Stanford University.

FRANCIS RAYMOND IREDELL

1060 College Ave.

Assistant Professor of Philosophy, 1925.

B.A. Pomona College; M.A., Harvard University.

FRIDA BISSIRI

Assistant Professor of French, 1920.

B.A., Kreuzlingen College, Switzerland.

MARGARET HUSSON

Maryland Ave.

Assistant Professor of Spanish, 1925.

B.A., University of Kansas; M.A., Columbia University; Graduate Study, Centro de Estudios Históricos, Madrid.

OLD DAVIS

157 E. Tenth St.

Assistant Professor of English, 1927.

B.A., Stanford University; B.A. and B.Litt., Oxford University.

ELIZABETH WAGNER

428 W. Tenth St.

Assistant Professor of German, 1928.

B.A., Smith College; M.A., Pennsylvania State College. Graduate Student, Columbia University, Middlebury College, Sorbonne, Université de Paris.

LEY GLICK LEIGHTON

121 W. 6th St.

Assistant Professor of Chemistry, 1931.

B.A., Pomona College; M.A., Harvard University; Ph.D., Harvard University.

on leave 1936-37.

- HOLLAND SPENCER CHAMNESS 1269 Harvard Av
Assistant Professor of Military Science and Tactics, 1931.
 Graduate, Infantry School, Basic Course. Major, U. S. Army.
- MARION JEANETTE EWING 487 W. Sixth
Acting Librarian, 1912.
 B.A., Olivet College; B.S., Simmons College; M.A., Boston University.
- CURTIS HAUPT 142 W. Ninth
Assistant Professor of Physics, 1930.
 B.A., Colorado College; M.A., University of California. Ph.D., University of California.
- LEON HOWARD 217 W. 11th
Assistant Professor of English, 1930.
 B.A., Birmingham-Southern College; M.A., University of Chicago; Ph.D., Johns Hopkins University.
- ERNEST ALBERT STRATHMANN 141 E. 12th
Assistant Professor of English, 1932.
 B.A., M.A., Ph.D., Johns Hopkins University.
- NORMAN THEODORE NESS 529 Indian Hill B
Assistant Professor of Economics, 1928.
 B.A., Carleton College; M.A., University of California; Graduate Student, Harvard University.
- GORDON SUTHERLAND 235 W. 9th
Assistant Professor of Piano, 1931.
 B.Mus. and M.Mus., American Conservatory of Music.
- EARL JAY MERRITT Eli P. Clark
Instructor in Physical Education, and Freshman Class Adviser, 1930.
 B.A., Pomona College.
- MARY C. LOVE 466 W. Sixth
Head of Library Loan Department, 1929.
 B.A., M.A., Stanford University.
- VIRGINIA PRINCEHOUSE ALLEN
Instructor in Dramatics, 1930.
 B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.
- ADA COOPER CAWSEY 130 W. Tenth
Instructor in Physical Education for Women, 1930.
 B.S., University of Wisconsin.

FACULTY

17

LE STEVENSON

626 Yale Ave.

Instructor in Voice, 1931.
Student of Charles W. Clark, Alice Prince Miller and Rita Bastiannini.

HER GOSS BRISTOL

Instructor in Physical Education for Women, 1935.
B.A., Pomona College; M.A., Columbia University.

ABETH CAWTHORNE

Instructor in Physical Education for Women, 1935.
B.A., University of California.

L JURECKA

163 W. 11th St.

Instructor in Art, 1932.
Graduate, Imperial and Royal College of Sculpture, Horice, Austria, now Czechoslovakia.

STANCE HASTINGS WOOD

1250 Harvard Ave.

Recorder, 1936.
B.A., Smith College.

AM G. BLANCHARD

Instructor in Music, 1936.
Mus., DePauw University; M.Mus., University of Michigan.

ARET E. SMITH

Instructor in Chemistry, 1936.
B.A., Syracuse University; M.S., Ph.D., Pennsylvania State College.

HASKELL KEMBLE

Instructor in History, 1936.
B.A., Stanford University; M.A., University of California.

J. HAMILTON

Instructor in Mathematics, 1936.
B.A., University of California; Graduate Student Brown University.

EMILY CLAYTON

Instructor in Biology, 1936.
B.A., San Diego State College; M.A., Claremont Colleges; Graduate Student Stanford University.

LES BURTON FAHS

Instructor in Oriental Affairs, 1936.
B.A., M.A., Ph.D., Northwestern University; Graduate Student, University of Berlin. Fellow of General Education Board in Paris and Japan.

KENNETH G. FISKE

Instructor in Violin, 1936.

B.Mus., M.Mus., American Conservatory of Music.

DEPARTMENTAL LECTURERS

JESSE JOSEPH COLEMAN

870 N. Towne Ave., Pom

*Lecturer in Public School Music, 1927.*B.Mus., Chicago University. Pupil of Percy Rector Stephens and De
Durgin Lash.

UNA BERNARD SAIT

238 E. 7th St

Lecturer in Sociology, 1936.

B.A., Barnard College; M.A., Ph.D., Columbia University.

DOROTHY D. LEE

419 Yale Ave

Lecturer in Sociology, 1936.

B.A., Vassar College; Ph.D., University of California.

ASSISTANTS

FLORENCE JEANNETTE YOUNGBERG

Assistant in Biology, 1936.

B.A., San Diego State College; M.A., Claremont Colleges.

JOHN SELDEN HOPKINS

Assistant in Physics and Astronomy, 1936.

B.A., Pomona College.

VERA SOMERS HOPKINS

Assistant in Sociology, 1936.

JOHN BAIRD WILCOX

Assistant in Physics, 1936.

JOHN JEROME PIERCE

Assistant in Physics, 1936.

GEORGE JEAN BELLEMIN

Assistant in Geology, 1936.

FACULTY COMMITTEES

1936-1937

- ACADEMIC PROCEDURE—Story, Burgess, Munz, Nicholl, Tileston.
- ADMINISTRATION—Tileston, Ewer, Jaeger, McCulley, Duncan.
- ADMISSION—Pattee, Nicholl, Gibson, Ellis, Munz, Davis.
- ATHLETIC COUNCIL—Jaeger, Lincoln, Nicholl, Nixon, three student representatives, and two Alumni consulting members.
- CLASSIFICATION—Nicholl, Ellis, Pattee, Wood, Ness.
- COLLEGE LIFE—Nicholl, Gibson, Duncan, Jaeger, Merritt.
President and Vice-President Associated Students, consulting members on call.
- EDUCATION—Nicholl, Burgess, Lyman, Scott.
- COURSES OF STUDY—Burgess, Munz, Fitts, Lee, McCulley, Baumann.
- ENGLISH—Strathmann, Leighton, Husson.
- HEALTH—Nicholl, Gibson, Nixon, Kelley, A.W.S. and A.M.S. Presidents, consulting members on call.
- LABORERS—Ellis, Pitman, Haupt, Nixon, Bissiri, Robbins, Leighton, Allen, Howard.
- LECTURES, PUBLIC EVENTS AND COMMENCEMENT—Burgess, Nicholl, W. J. Howard.
- LIBRARY—Duncan, Ewing, Burgess, McCulley, Leighton, Baumann.
- PERSONNEL—Gibson, Nicholl, Fitts, Pattee, Merritt, Ellis, Tileston, Husson, Kelley, Wood.
- PERSONAL INTERESTS INCLUDING CHAPEL—Meland, Nicholl, Lyman, and.
- PLACEMENTS—Burgess, Beggs, Cooke.
- SCHOLARSHIPS—Story, Gibson, Nicholl, Tileston, Allen, Iredell, Fitts.
- STUDENT AID—Nicholl, Pattee, Gibson, Cleverdon, Merritt.

GENERAL INFORMATION

EARLY DAYS

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt the founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the first Board of Trustees by the General Association of Congregational Churches of Southern California. The present President of the Board of Trustees, Mr. George W. Marston of San Diego, was one of these original trustees.

The College was incorporated October 14, 1887. The work of instruction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel at Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the College. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrollment has been held at approximately 750 divided equally between men and women and among the four classes.

A NEW DEPARTURE

The imperative demand for expansion led to the adoption under the inspiring leadership of President James A. Blaisdell of the group plan of affiliated colleges, in which the obvious advantages of the small college are retained while still making possible the gathering together of the equipment that is justified only in a large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps, whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

These three institutions, Pomona, Scripps and Claremont, are dependent but cooperate in the establishment of certain mutual facilities. In approved cases, there is also an exchange of classroom privileges between the colleges. Certain functions such as the summer school, graduate and research work are carried on in cooperation. The buildings and facilities under Claremont Colleges and the laboratories under Pomona are for the use of all. Claremont Colleges, with its own trustees known as "The Board of Fellows" some of whom are also trustees of Pomona or of Scripps, constitutes a central group, focusing a mutual effort, set return to each member of that group a stimulating and inspiring influence. Through the bequest of the late Seeley W. Mudd, first chairman of its Board of Fellows, and erstwhile a trustee of Pomona College, Claremont Colleges received a fund of one million dollars for the establishment of its work.

CLAREMONT COLLEGES

Thus far the general services undertaken by Claremont Colleges in behalf of the group include the administration of the health service, the development of a central heating plant, the erection and administration of an auditorium seating 2,600, and the erection of a building to house the central library and the common business offices of the group. The inauguration of some special library collections and the subsidy of research projects of members of the faculties are also the forerunners of larger developments under the auspices of Claremont Colleges.

POMONA'S IDEAL

The real heart of the Claremont plan lies not in its provision for graduate study but rather in the enhancement of scholarly life among undergraduates, and Pomona represents the effort to obtain in an exceptionally favorable environment a small independent residence college where the inestimable advantages of intimacy are secured, but where the advantages of ample facilities and intense competition are also secured by its association with the other colleges situated in close proximity to it, and where the selective process assures, as nearly as possible, a company of students who will really profit by college experience.

CULTURAL PROGRAM

POMONA'S PROGRAM

From the very beginning Pomona College has maintained reputation for interest in thorough scholarship rather than large numbers. Membership in the institution itself is regarded as a scholastic honor. Pomona holds that scholarship should not only be high but also broad and inclusive. It is not a professional school. It insists that the best preparation for life includes not only the ample, generous and complete training of the college course, such as is here given, but also at a later period a thorough and definite professional specialization. The College has been singularly successful in permeating its body of students with these ambitions. A very large percentage of its graduates have taken subsequent professional training, many winning scholarship awards in other institutions.

The courses offered in Pomona College cover the whole range of the humanities and the sciences, while the fine arts, especially music, are duly emphasized. Various combinations of fundamental courses are presented as adequately preparing for later professional studies in engineering, medicine, law, or education.

HONORS WORK

Since September, 1924, Pomona has been developing the so-called honors type of instruction, the purpose of which is to attract students of more than average ability from some of the routine requirements such as compulsory attendance in classes, frequent tests and conformity in the study of textbook assignments. Students are encouraged to limit the scope of their work and to concentrate, in their junior and senior years, in their chosen field of study, preferably in programs composed of one major subject and one or two minors, so that the student may achieve a command of mastery and a sense of unity of knowledge in a fairly broad division of learning. The student is offered the opportunity of periodic private conferences with his major adviser, who plans his courses and his reading, criticizes his reports, and helps in achieving that integration of learning which constitutes a liberal education.

In a word, Pomona College, in the midst of a very rapidly developing region of Southern California, is endeavoring to maintain the values of a broad cultural preparation for life.

SOCIAL TRAINING AN ESSENTIAL PART OF EDUCATION

In seeking to achieve this purpose Pomona is making use of existing conditions, dormitories, dining halls, social intercourse, to the extent and in a way not yet adequately developed in our American colleges generally, as a fundamentally important part of the undertaking.

Dining in the great hall for men or in the women's new hall increases social amenities not acquired otherwise. Exchange dining between the women's campus and the men's campus affords opportunities for social intercourse and entertainment at no extra expense. The fraternities have their special rooms within the dormitories in close association with the rooms assigned to the members of the several groups.

Pomona's co-educational character greatly increases the culture of its student body. Working together on the highest levels of life, men and women are most likely to associate in mutual respect and dignity. The graduates of this college testify that these relations add to the genuine wholesomeness and roundedness of the student's life. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it is obligated to promote the consideration of those age long spiritual aspirations and interpretations which constitute religion. It urges each student to correlate correctly these factors with the discoveries resulting from the application of careful scientific method in all other fields of human investigation. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of his education, to seek an interpretation of his own guided by a careful study of those arrived at by others. It thus seeks to prepare the coming generation with a leadership of intellectual clarity, directed will and noble character.

While originally Congregational in organization, the College has long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, though non-sectarian.

BUILDINGS AND EQUIPMENT

In addition to the grounds and buildings administered by Claremont Colleges in behalf of both Pomona College and Scripps College, Pomona College itself occupies about one hundred and twenty acres, of which sixty are included in Blanchard Park, about ten in Alumni Athletic Field, and fifty in the campus proper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from a central heating plant operated by Claremont Colleges.

The Mary L. Sumner Hall, named in memory of the wife of Rev. Charles B. Sumner, LL.D., one of the Founders of Pomona College, has been removed from its original site and remodeled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Massachusetts, reconstructed in 1916 in conformity with modern plans for buildings and campus, is devoted mainly to chapel and recitation rooms, departmental offices and the office of the Associated Students.

The Business Office of Pomona College is maintained in Harwood Hall, administered by Claremont Colleges.

The Library, the gift of Mr. Andrew Carnegie, is an imposing structure, well adapted to the purposes for which it was built.

The Albert K. Smiley Hall, the first dormitory for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some thirty students besides the House Master and one or more instructors; two additional dormitories accommodating some 165 upperclassmen; Frary Hall, the Dining Hall for Men, the gift of Mr. George W. Marston and others, named in memory of Rev. Lucien Frary, a member of the Board of Trustees from 1892 to 1910. Besides the Great Hall which will seat 450, there are three smaller dining rooms for the use of special groups as required.

Harwood Court, a modern and pleasing dormitory which includes Strong Hall, accommodates about one hundred and eighty women. Florence Carrier Blaisdell Hall, named in honor of James A. Blaisdell, is to be ready in September and will accommodate eighty women. The College also maintains several houses in which similar accommodations can be secured. All women students are served by the Aurelia Squier Harwood Memorial Dining Hall.

Rembrandt Hall is devoted chiefly to the work of the Department of Art. The upper floor contains studio and work rooms; the lower floor two auditoriums of moderate size for exhibits and lectures.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges, of San Diego offers excellent facilities for the study of music.

The Mabel Shaw Bridges Auditorium, under the auspices of Pomona Colleges, has a seating capacity of 2600 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, though uncompleted, has at present a seating capacity of over 4000.

The Gymnasium, comprising two structures, affords ample equipment for indoor physical training supplementing the various outdoor fields for men and for women.

The Memorial Training Quarters stands as a remembrance of Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of those men, Sheldon W. '17, supplemented by those of alumni, students and friends. Beside the Training Quarters is a modern standard size swimming pool for men.

The Parsons Hall of Science, the gift of Dr. D. K. Pearsons, containing the laboratories and lecture rooms of the departments of physics and mathematics, was reconstructed and made earthquake proof in the summer of 1934.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn P. Brackett, '01, is designed to be of service to the student in the direct observation of the stars.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

The Marine Laboratory, located at Laguna Beach, has private rooms for special workers and two general laboratories, well as storerooms, work rooms and aquarium room.

The Pomona College summer camp at Bluff Lake in the Bernardino Mountains consists of five cabins, located on the tract of 120 acres given to Pomona College by Mr. J. S. Edwards. The camp, at an elevation of 7,500 feet, is in a region of great unspoiled natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in the service.

THE LIBRARY

The Library, of 81,797 books and 83,381 pamphlets, has been carefully selected, and is a working library of exceptional value.

The College possesses also the following library collections administered by the main library: The Cook-Baker Biological Library, the Parrish Botany Library, the James A. Lyman Memorial Library of Chemistry, the Astronomical Library, the New England Collection, the Geology Library, the Mason Library of California and Western American History, the Henry R. Wagner Collection of History and Cartography of the North Pacific, the Viola Minor Westergaard Art Collection, and the Carnegie Art Collection.

The main Library, the New England, the Mason California and the Wagner North Pacific Libraries and the Westergaard Carnegie Art Collections are housed in the Carnegie Library Building; the Cook-Baker Library and the Parrish Library in Crookshank Hall; the Astronomical Library in the F. P. Brand Observatory; the James A. Lyman Memorial Library and the Geology Library in Mason Hall of Chemistry.

The Library is a depository for the publications of the Carnegie Institution of Washington, and for the United States Government documents. It has a large and well selected list of the most valuable research and general periodicals, including many current files.

The library of Claremont Colleges, comprising 20,499 volumes (including the George Burton Adams Library of English History, the Paul Hensel Library of Philosophy, and the Nollen Library

German Literature) is housed in Harper Hall and is available to all students and instructors.

The library of Scripps College, at present about 18,320 volumes, is housed in the Ella Strong Denison Library on the Scripps campus, and its resources are also available to students and teachers in Pomona College.

LECTURE FOUNDATIONS

THE JOSEPH H. JOHNSON FOUNDATION, liberally endowed by Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions. By this means such educators are annually in residence in Pomona College. The opportunity of intimate contact with distinguished instructors thus afforded to undergraduates is a unique privilege, often surpassing the privileges of the classroom of the institution from which these educators come.

THE HENRY D. PORTER FOUNDATION, named in honor of the Rev. Henry D. Porter, for many years a missionary in China, contributes to the institution annually, the extended stay of some eminent worker in the field of Christian Missions. The lecturer from this foundation commonly shares in the regular classroom instruction related to the history, geography, politics or religion of the country in which he has been actively at work. This vivid representation of the missionary life is one of the most stimulating features in the spiritual program of the College.

THE CLARK FOUNDATION, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture or series of lectures in the general field of religion.

MUSIC

In order to insure to the entire student body the opportunity of hearing and seeing the great artists of the day, whose public appearance is usually confined to the larger cities, the College co-operates with Scripps College and Claremont Colleges in the institution each year of a group of the most distinguished masters in the field of music. For the year 1935-1936 the following were presented: Elisabeth Rethberg, The Russian Cathedral Choir, The San Carlo Opera Company, Albert Spalding, Nino Rostropovich, and the Los Angeles Philharmonic Orchestra. For the parts thus afforded an annual ticket is furnished to every full-time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of faculty and by groups are given on Monday evenings.

The College Choir and the Men's and Women's Glee Clubs afford opportunity both for the exercise and for the appreciation of vocal talent.

PUBLIC ASSEMBLIES

It is the practice of the College to give opportunity for consideration and expression of the common college interest.

On Thursday at 11 a. m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of these addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. Attendance of both faculty and students is expected at these exercises.

On Tuesday at 11 a. m. a brief devotional Chapel Service is held, attendance at which is voluntary.

A Vesper Service of special music is offered on Sunday from five to five-thirty.

Students are urged to associate themselves for worship with the Claremont Church or those in neighboring communities, in connection with which many forms of religious activity are maintained.

CAMPUS ORGANIZATIONS

THE ASSOCIATED STUDENTS. This association attempts to coordinate all student activities. Its officers are chosen by the student body from among their own number. All important decisions are first considered by the Executive Council, a governing group composed of class presidents and chairmen of other organizations representing various activities of campus interest.

ASSOCIATED MEN STUDENTS

ASSOCIATED WOMEN STUDENTS

} These organizations coordinate and promote the special interests of the men and women separately.

STUDENT-FACULTY COUNCIL. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular meetings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for their consideration and action.

CLASS ORGANIZATIONS. Each of the four college classes is organized for the purpose of promoting class social life.

DEPARTMENTAL ORGANIZATIONS. Astronomical Society; El Estudiante Espanol; Le Cercle Francais; Mathematics Club; German Club; Physical Education Club for Women; Science Club.

PHI BETA KAPPA. The Pomona Chapter of Phi Beta Kappa is a part of the Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

HONOR SOCIETIES. Alpha Delta Mu,—Journalism Fraternity; Alpha Chapter, Alpha Kappa Delta,—Sociology Fraternity; Sigma Rho,—Forensic Fraternity; Ghosts; Mortar Board; Literary Societies.

ACADEMIC SOCIAL FRATERNITIES. Alpha Gamma Sigma; Kappa Alpha Chapter, Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Alpha; Sigma Tau.

MUSICAL ORGANIZATIONS. Composers Club; Men's Glee Club; Women's Glee Club; Honorary Music Club; Symphony Orchestra.

RELIGIOUS ASSOCIATIONS. Young Men's Christian Association; Young Women's Christian Association.

MISCELLANEOUS ORGANIZATIONS. Cosmopolitan Club; Forensic Union; Kallimachos,—Library Club; Masquers,—Drama; Orchestral Club,—Dancing.

PUBLICATIONS

The stated publications of the College are issued as numbers of the *Pomona College Bulletin*, which is published monthly except July and August). These include:

The *Annual Catalog*.

The *Report of the President* and special topical numbers.

The *Register of Alumni*.

The *News Letter*.

The *Journal of Entomology and Zoology* is published under auspices of the Department of Zoology.

STUDENT PUBLICATIONS

The *Student Life* is published four times a week by the student body and is devoted to current affairs.

The *Metate* is published each year by the Associated Students and contains material appropriate to a college annual.

The *Sagehen*, a magazine of humor, is published four times a year.

The *Hand Book*, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

PHYSICAL ATTENTION

The physical care of students is a matter of special concern to the College and the advantages of unusual attention and opportunity are offered. The climate of Southern California offers out-of-door life the year round. Supervision is given to athletics in all seasons. A regular physician is on the staff of Claremont Colleges, under whose direction every student on entering undergoes physical examination. Regular work in physical education is prescribed throughout the four years, and courses in Physiology and Hygiene are given. The medical advice of the College physician is ordinarily available free of charge to all students, subject to certain conditions of hours and location of residence; but nursing, surgical dressing and medicines are at the expense of the student. If ill or injured, as is also medical service in chronic or progressive illness or in case of accident, beyond ordinary first aid emergency treatment. A student is entitled to two days each semester in the College Infirmary without charge for room and meals; on additional days the charge is \$2 a day. The College, however, reserves the right to discontinue this individual medical service at any time without previous notice.

The College endeavors to safeguard students in the use of physical facilities, laboratories, athletic fields, and gymnasiums, and to this end the departments have established regulations concerning the use of such facilities, but it is clearly understood that students who use the same do so entirely at their own risk.

ATHLETICS. The direction and financial management of athletics rest with the Director of Athletics, who has associated with him as an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general manager there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed and the alumni into athletic grounds admirably equipped and unsurpassed in the Southwest in beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, the courses of the Indian Hill Golf Club are available, and athletic exercises and field sports are encouraged.

A swimming pool, of the standard size for water polo, and well equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona enjoy the privileges of the pool at the former institution.

RESIDENCE FOR MEN

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that all who are not actually living at home will live in the college dormitories and board in Frary dining hall.

Dormitory and dining room privileges are provided only on the basis of an inclusive yearly charge for both board and room, the charge varying from \$400.00 to \$550.00 per year. This charge includes necessary furniture, rugs, bed linen and towels, the laundering of the same and the care of rooms. The only articles to be furnished by the student are blankets and bed spread.

Wiley Hall has both single and double rooms and suites of two rooms accommodating two students.

On the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for two students. The other halls have both single rooms and suites.

RESIDENCE FOR WOMEN

It is expected that women students will room in the college science halls and board at the dining room in Harwood Court. Freshmen are required to reside in Harwood Court. Students living at home or working for room or board may make special arrangements with the Dean of Women.

Harwood Court, in which is included the dormitory known as Reg Hall, and the several College Houses which afford resi-

dence facilities, have both single and double rooms as well as suites. Florence Carrier Blaisdell Hall, the new dormitory for women to be ready in September, will have mostly single but also a few double rooms. Each room is provided with the necessary furnishings, including rugs, the only articles to be furnished by the student are linen and covers for a single bed.

Dormitory and dining room privileges are provided on the basis of an inclusive yearly charge for both board and room, the rate varying from \$400 to \$550 per year.

EXPENSES

Exclusive of residence facilities, the full cost of maintaining a student at Pomona College exceeds six hundred dollars a year per student. Income from endowment and trust funds applicable to current expense usually covers about one-third of the total cost, the tuition fee as charged is designed to cover one-half, and the balance of one-sixth is left to be covered by voluntary contributions.

ESTIMATE OF GENERAL YEARLY EXPENSES

	Minimum	Average	Generous
General Tuition	\$300	\$300	\$300
Board and Room	400	450	550
Books and Fees	30	50	100
Personal Expenses	90	125	250
Total	\$820	\$925	\$1200

All rooms in the College residence halls are rented for the college year. The charge for rent does not include the use of the halls during the Christmas and Spring vacations, when the halls are closed. The residence halls are opened the Saturday before the opening of the College year and closed the day after commencement.

A deposit of \$25 is required of all accepted candidates for admission, payable within 30 days of acceptance, unless the candidate is participating in the competitive scholarship examination.

All applicants participating in the scholarship examination who do not win scholarships but who wish to remain on the regular list of candidates for admission must deposit \$25 within ten days of the announcement of the awards.

This deposit reserves for the student a place in college. Fifty dollars is credited on account of his first semester's tuition; ten dollars is held as a breakage fee, from which deduction

for individual and communal damage to college property, balance being credited to the student's account on graduation withdrawal.

Failure to make this payment within the specified time results in removal of the candidate's name from the reserved list for instruction and for housing. This does not affect the eligibility of the candidate for admission, but candidates who have not paid are placed after those who have paid.

For an accepted candidate who has paid this deposit within the month of September 1, \$15 will be refunded. After September 1, the deposit will be refunded only if the student's place is taken by some other candidate, or the whole deposit of \$25 may be carried forward as a credit if used within two years.

College reserves the right to dismiss from a dormitory any student who becomes a disturbing or undesirable occupant.

TUITION

For tuition, including all general privileges, Music Course Ticket, Library privileges, etc., per semester...\$150.00
 For students, carrying less than ten units of work,
 For each such unit, per semester exclusive of above general privileges 15.00

A visitor's fee of \$10.00 per course is required from those visiting the course of study.

Laboratory fees range from \$2.00 to \$15.00. The exact fee for each given course is stated in connection with the description of the course under *Courses of Instruction*; in advanced courses the fee does not exceed \$10.00.

BREAKAGE DEPOSITS

For Microbiology and Plant Physiology, \$5.00 each.

For Chemistry, \$10.00 for each course taken.

For College Residence Halls, \$10.00.

APPLIED MUSIC

For those paying regular tuition:

For half hour private lesson per week, per semester.....\$ 45.00
 For half-hour in excess of one per week, per semester.... 40.00

For those carrying less than twelve hours of college work, exclusive of work in applied music:

For half-hour private lesson per week, per semester..... 60.00
 For half-hour in excess of one, per semester..... 40.00

For lessons in applied music, per semester..... 25.00

EXPENSES

PRACTICE FEES

	Per Semester
PIANO, one half-hour daily, \$3.50; one hour daily-----	\$6.00
GRAND PIANO, one hour daily-----	9.00
GREAT ORGAN, one hour weekly-----	7.50
TWO-MANUAL PRACTICE ORGAN, one hour weekly-----	3.00
PEDAL ORGAN, one hour daily-----	9.00
VIOLIN, CELLO, FLUTE, Room without piano, one hour daily-----	1.50

SPECIAL FEES

Application fee, \$2.50.

Dues for Associated Students, per semester-----

This charge is made upon all regular students by action of Associated Student Body. Recognizing the value of the activity supported by this fee, the College requires its payment and reserves the right to approve the budget for which it is spent.

Graduation fee, \$10.00.

Every student expecting to graduate at the end of any given semester must so indicate on his registration card for that semester, and must include the graduation fee with the payment of other fees at the time of such registration. Failure to indicate such expectation or thus to pay the graduation fee will automatically exclude from graduation that semester.

BILLS

All College bills are due each semester in advance and must be paid by the student at the time of registration. Payment for room and board on an installment plan may be arranged in conference with the Controller at an extra charge of one dollar for each extra payment. No refunds are made to those leaving before the end of the semester except that in the case of those leaving before the middle of the semester because of illness one-half the tuition and laboratory fees are refunded and in the case of those dropping out for good cause within a week of their registration all but \$25.00 is returned. No refund is made on a payment unless the room is re-rented to someone not then residing in a college residence hall.

Students are not given honorable dismissal nor graduated until all bills are paid. Seniors must settle all recognized bills and other obligations by four p. m., of the fourth day preceding Commencement if they are to receive their diplomas with their class.

PRIZES

The following prizes are offered for proficiency in the work of several departments:

ART

EUGENE C. CRAMER PRIZES: A first prize of \$15.00 and a second prize of \$10.00 awarded for excellence in drawing and design in work presented for the annual exhibition in May. Given by Mrs. Eugene C. Cramer in memory of her husband, who was an artist.

ASTRONOMY

MONCRIEFF ASTRONOMY PRIZE: A prize given to the student in the first year course in Astronomy, taken regularly in class, whose interest in the study and proficiency in the observational work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars given by Miss Flossie C. Moncrieff, '11.

ECONOMICS

VAILE PRIZES: Prizes for the best essay or oration on the general subject of Agriculture in Southern California open to Junior and Senior classes, were endowed by the late Mr. Charles S. Vaile. At present first and second prizes of twenty and ten dollars respectively are offered.

ENGLISH

F. S. JENNINGS MEMORIAL PRIZES: Eight prizes awarded at the end of each semester to Freshmen taking English A1, to the top men and the two women showing the best mastery over written and oral expression and also two to the men and two to the women showing the most gain during each semester in these subjects. The total amount of the prizes is \$600.00, the gift of the late Mr. F. S. Jennings of San Diego.

GENERAL

RENA GURLEY ARCHIBALD HIGH SCHOLARSHIP PRIZE: A prize of fifty dollars to be awarded to that member of the graduating class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Reverend Andrew W. Archibald, D.D.

LATIN

MUDGE LATIN PRIZES: Prizes for excellence in Latin, first and second prizes of ten and five dollars, respectively, endowed by friends of the College.

PRIZES

MATHEMATICS

THE LLEWELLYN BIXBY MATHEMATICS PRIZE: A prize for excellence in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15. A prize of ten dollars is given by Mr. Llewellyn Bixby.

MUSIC

THE BARBARA SANFORD ALLEN PRIZE: An annual competitive prize of fifty dollars to be awarded to a Pomona College student in the department of music. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

PHYSIOLOGY

THE LORBEER PRIZES: Prizes for the best essay on the subject "How to Keep Well"; open to all who take the course in Physiology. First and second prizes of fifteen and ten dollars, respectively, are offered by Dr. Thomas L. Lorbeer, '03.

PUBLIC SPEAKING

THE KINNEY DECLAMATION PRIZES: A prize declamation contest, open to the members of the Freshman class, occurs near the middle of the year. First and second prizes of fifteen and ten dollars, respectively, are endowed by Mrs. H. N. Kinney.

THE DOLE DEBATE PRIZES: A prize debate for Lower Division men is arranged for the close of the second semester. First and second prizes of fifteen and ten dollars, respectively, established by the late Mr. J. H. Dole in memory of his brother, Mr. W. Dole, are endowed by Mr. J. Albert Dole and Mr. A. M. Dole.

THE KNEELAND ORATORY PRIZES: A prize oratorical contest open to Lower Division men of Pomona College and men of the Southern California Junior Colleges of the Eastern Division is held during the second semester. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

THE KNEELAND DEBATE PRIZES: A prize debate open to Upper Division men is to be held for the first time toward the close of the second semester of 1936-1937. This debate replaces the former Kneeland Upper Division Oratorical Contest. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

THE WHEELER PRIZES: The opportunity to compete for a first prize of seventy-five dollars and a second prize of fifty dollars for speeches of their own composition is offered to Upper Division men. The judges have the right to distribute the prize money otherwise than in the sums indicated, or to withhold awards if they feel warranted in so doing. These prizes were endowed by the late S. H. Wheeler.

RELIGION

THE HAGER PRIZES: Prizes for the best essays on a foreign missionary subject, open to all students were endowed by the late Mr. and Mrs. C. R. Hager. At present first and second prizes of twenty and ten dollars respectively are offered.

DEPARTMENTAL SCHOLARSHIPS

ART

THE HANNAH TEMPEST SCHOLARSHIP FUND OF \$5,000. Income to be divided equally between a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

MILITARY

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrolment in the advanced course of the Reserve Officers' Training Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a six weeks' summer training camp. In consideration of this agreement, students receive from the government cash allowances equivalent to scholarships of \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrolment is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units of preparatory schools will be given consideration in the selection of those to whom these scholarships will be awarded.

MUSIC

THE KATE CONDIT BRIMHALL MEMORIAL MUSIC SCHOLARSHIP FUND, \$2,000. Given by the late Mr. and Mrs. A. P. Condit

PHYSICS

THE RICHARD P. EDMUNDS MEMORIAL FUND provides a scholarship of full tuition for an upper division man student (preferably one who has attended during the first two years) nominated to the Scholarship Committee by the Professor of Physics, at the close of each scholastic year for use the following year.

SPECIAL SCHOLARSHIPS

KAPPA DELTA HONOR SCHOLARSHIP ENDOWMENT OF \$2,032.65 Given by members of Kappa Delta Fraternity. The income from this endowment is supplemented by individual

pledges to yield a scholarship of \$250, administered under special committee. Awarded to a man at the beginning of his senior year.

THE FLORA SANBORN PITZER MEMORIAL SCHOLARSHIP. \$500 year from The Sanborn-Pitzer Foundation established by Russell K. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

THE MALCOLM EVERSOLE MEMORIAL FUND provides a scholarship of full tuition for a man in the Junior Class to be nominated to the Scholarship Committee by the President of the College at the end of the nominee's second year in Pomona College. The selection will be based not on scholastic rank only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character.

GENERAL SCHOLARSHIPS

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to make awards to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in college community.
- (3) Physical vigor as shown by interest in outdoor sports or in other ways.

The preferred applicant will excel in all three of the categories listed, but in the absence of such preferred combination the Committee may select an applicant who shows distinction in two over an applicant who shows a lower degree of promise in excellence in all. In any case interested participation in activities which sustain physical well-being constitutes an essential qualification, though superior skills and excellence in such matters are not given undue weight.

Before making application to the Committee on Scholarships applicants who are not already students in Pomona College must file application for admission to the College with the Committee on Admissions (fee \$2.50). In the case of freshmen it is normally expected that they will not have attended any other school or university. Exceptions to this rule require special committee action. Each applicant for a scholarship shall be endorsed by the head of the school from which he comes, and will be required

competitive examinations. The examinations for Freshmen will be held on Saturday, December 5, 1936. The examinations for Junior College transfers will be held on Saturday, March 13, 1937. The Committee on Scholarships reserves the privilege, in case of doubt, to require further, any special evidence, by examination or interview, which it may deem necessary to determine a candidate's fitness.

SCHOLARSHIPS FOR NEW STUDENTS

FRESHMEN

The following scholarships are available for candidates for admission to the Freshman Class in the academic year 1936-37, half the stipend being available for the first semester and half for the second:

Four Scholarships of Five Hundred Dollars each, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Dollars each, open to both men and women; two from the Thomas J. Dowling Fund and two from the Margaret Burton Harwood Memorial Fund.

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women: One of these is from the Henry G. Brainerd and Fannie Howard Brainerd Memorial Fund.

In the two following groups, the award becomes available to cover the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory:

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women.

Four Scholarships of One Hundred Fifty Dollars each, two for men and two for women, who are nominated for the same by the California Scholarship Federation.

Applications for above freshmen scholarships, 1937-38, should be made on regular scholarship application blanks and should be submitted with the Committee on Scholarships by November 15, 1936.

Announcement of awards will be made on or before February 1, 1937.

JUNIOR COLLEGE TRANSFERS

The following scholarships are available for candidates from Junior College men or women in the academic year 1937-38, half the stipend being available for the first semester and half for the second:

One scholarship of Three Hundred Dollars, available to incoming transfers from junior college on the Margaret Burton Harwood Memorial Fund.

SCHOLARSHIPS

Two scholarships of One Hundred Fifty Dollars each available to incoming transfers from junior college.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory.

Two scholarships of One Hundred Fifty Dollars each available to incoming transfers from junior college, who are recommended for the same by Alpha Gamma Sigma.

Five scholarships of One Hundred Fifty Dollars each available for incoming students of sophomore or junior standing from among the best qualified applicants for admission.

Applications for above advanced standing scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before March 1.

Announcement of awards will be made on or before June 1.

SCHOLARSHIPS FOR MATRICULATED STUDENTS

Twenty-one awards of One Hundred Fifty Dollars each available on a semester basis for matriculated students, men and women, in any class, during the academic year 1936-37. Of these fifteen are from the Olivia Phelps Stokes Scholarship Fund and three are from the Margaret Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the first semester and ten for the second semester either upon application to the Committee or upon selection by the Committee from the whole number of those eligible. These scholarships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships should reach the Committee on Scholarships before May 15th for the first semester of the following academic year and before January 15th for the second semester of the current academic year.

FELLOWSHIPS

The following award may be made for 1937-38 if qualified applicants appear. Applications should be in the hands of the Committee on Scholarships by February 1, 1937.

One WILLIAM LINCOLN HONNOLD FOUNDATION fellowship with a stipend varying from eight hundred to fifteen hundred dollars, as determined by the committee of award, according to circumstances; open normally only to students who have completed four full years of work in Pomona College, who are rated in

over half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to continue their studies either in Claremont Colleges or elsewhere in America or abroad.

Should the student selected waive the emolument, the stipend is to be paid to the candidate next in rank, while the first student could be designated Honorary Honnold Fellow for the year.

The appointment will be for one year, but satisfactory work and good conduct may earn a renewal, so that a really successful candidate may enjoy the fellowship for two or possibly three years, while at the same time a new appointment may be made from the graduating class each successive year.

The prime purpose of the fellowship is to promote scholarship rather than merely to reward faithful classroom work. The selection will be based not on scholarship only but on the possession of these personal qualities which indicate a high degree of promise in a student of outstanding character. The plans for graduate work are to be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of each year of tenure, each Honnold Fellow is to make a full report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been residing, his plans for the immediate future, and recommendations for the further development or improvement of this fellowship plan.

OTHER AWARDS

The Committee on Scholarships also nominates students of Pomona College who wish to apply for awards by other institutions and foundations. Those who seek nomination to the Rhodes Scholarships should advise with the Committee on Scholarships.

GRANTS IN AID

The income of certain funds is used towards paying the second semester tuition fees of students who are in pecuniary need. Such grants are given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in their attendance upon college exercises, and who maintain after the first semester of the Freshman year, at least "C" grade in their scholastic work. Grants are rarely available for a student in the first year of his attendance.

Aid may be withdrawn at any time from students who prove not to have conformed to the conditions.

As a rule recipients of grants in aid will be asked to render service to the College in exchange.

If a student who has received a grant in aid transfers to another institution before graduation, the total sum granted him by Pomona College shall become a loan, repayable according to terms applicable to regular student loans.

All applications for aid should be made before May 1st for the first semester of the following academic year and before January 15th for the second semester of the current academic year. Address Committee on Student Aid, Sumner Hall.

STUDENT AID FUNDS

GENERAL

THE FRANCIS BANCROFT MEMORIAL FUND, \$1,500. Given by Mrs. James T. Ford of Los Angeles, California, in memory of her father.

THE BARROWS FUND OF \$2,500. Given by L. H. Barrows of Pasadena, California.

THE H. G. BILLINGS MEMORIAL FUND, \$1,000. Given by Mr. E. A. Billings of Los Angeles, California, in memory of his husband.

THE FLORENCE G. BIXBY FUND, \$5,000. Given by Florence Bixby of California.

THE BRISTOL MEMORIAL FUND, \$400. A fund raised as a memorial to the Reverend Sherlock Bristol.

THE BESSIE A. BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of Bessie A. Brown.

THE HENRY HERBERT BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of her son.

THE CLASS OF 1918 FUND OF \$961.78. Given by the Class of 1918.

THE CHARLES C. CRAGIN MEMORIAL FUND, \$5,025. Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles C. Cragin.

THE AGNES K. CRAWFORD MEMORIAL FUND, \$1,000. Given by David R. Crawford and William Crawford, in memory of their mother.

EBELL CLUB OF POMONA STUDENT AID FUND, \$1,000. To help, preferably, a girl.

THE ELWOOD FUND OF \$2,600. Given by Mary E. Elwood of Redlands, California.

THE FORD FUND OF \$2,500. Given by Rev. James T. Ford of Los Angeles, California.

THE FOWLER FUND OF \$1,000. Given by Mrs. Margaret Fowler of Pasadena, California.

THE ORREN A. GORTON FUND OF \$5,000. Established by the will of Orren A. Gorton of Sherburne, New York.

THE EMMA K. GUILD FUND OF \$44,337.14. Given by Emma K. Guild of Claremont, California.

THE MANETTE HAND MEMORIAL FUND OF \$1,500.

THE ALFRED JAMES HARWOOD MEMORIAL FUND, \$8,000. Given by Alfred P. Harwood of San Dimas, in memory of his son.

THE CHARLES E. HARWOOD FUND OF \$5,000. Given by Charles E. Harwood, LL.D., of Upland.

THE THOMAS F. HOWARD "MEMORIAL SCHOLARSHIP FUND," \$3,500. Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.

THE MARY MARVIN JANES FUND OF \$296.93. Given by Mary Marvin Janes of Pasadena, California.

THE KUNS FUND OF \$2,000. Given by Henry L. Kuns of La Verne.

THE LOOMIS FUND OF \$2,000. Given by Miss Jean Loomis, '97.

THE HOWARD J. MILLS MEMORIAL FUND OF \$3,000. Given by Mrs. Howard J. Mills of Los Angeles, California, in memory of her husband.

THE ONTARIO CONGREGATIONAL CHURCH FUND, \$186.50. Given by the Ontario Congregational Church towards the endowment of a fund.

THE PAGE FUND OF \$5,000. Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may at any time be used for other purposes.)

THE ARTHUR WARREN PHELPS MEMORIAL FUND, \$2,000. Given by Mrs. C. S. Phelps and Mr. C. A. Phelps, in memory of their son and brother.

THE LYDIA PHELPS MEMORIAL FUND, \$4,000. Given by Hiram Phelps of Ontario, California, in memory of his wife.

THE PILGRIM CHURCH OF POMONA FUND, \$1,667.44. Given by the Pilgrim Congregational Church of Pomona.

THE PILGRIM CHURCH WOMEN'S AUXILIARY FUND, \$500. Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.

STUDENT AID FUNDS

THE JOHN D. POTTER MEMORIAL FUND, \$2,000. Given by Mr. S. T. Potter of Westboro, Massachusetts, in memory of his husband.

THE SEARING FUND OF \$1,800. Given by Dr. Anna H. Searing of Escondido, California.

THE WALTER O. SHATTO MEMORIAL FUND, \$4,000. Given by Mrs. Clara R. Shatto in memory of her husband.

THE CLYDE H. SHIELDS MEMORIAL FUND, \$1,200. Given by R. P. Shields of San Diego, in memory of his oldest son, who was drowned in 1894, when about twenty-one years of age.

THE SWEET MEMORIAL FUND OF \$2,500. Given by Harlan Sweet in memory of his wife, C. Nell Sweet.

THE THATCHER FUND OF \$6,000. Given by Miss Susan Thatcher of San Diego.

THE WARDWELL FUND OF \$1,000. Given by Mrs. Maria T. Wardwell of Plymouth, Connecticut.

THE CLARA B. WATERMAN MEMORIAL FUND OF \$5,000. Given by Miss Rosa May Bennett of Los Angeles.

THE WEST FUND OF \$2,000. Given by Henry S. West of Los Angeles.

SPECIAL

"CROMBIE ALLEN SCHOLARSHIP FUND" OF \$1,000, half of income available annually to a graduate of *Chaffey Union High School* and half to a graduate of *Chaffey Junior College* of Ontario, California.

THE MARTHA E. BERRY MEMORIAL FUND OF \$6,000. Given by Miss Elizabeth E. Berry. For foreign students.

THE MABEL S. BRIDGES MEMORIAL FUND, \$3,500. Given by Mr. and Mrs. A. S. Bridges of San Diego, California, in memory of their daughter. Available for women.

"ALICE PAUL HARWOOD SCHOLARSHIP FUND" OF \$5,000. Given to graduates of *Chaffey Union High School* of Ontario.

"STELLA M. KING SCHOLARSHIP AND LOAN FUND FOR WOMEN" OF \$10,000.

Three grants-in-aid, provided annually by REVEREND M. D. K. LAND, D.D., of Claremont, of \$200 each, are available for three new candidates for professional Christian service, either the pastorate or in foreign mission fields—\$150 for the first semester and \$50 for the second.

THE FRANCIS M. PRICE FUND OF \$1,000. For children of missionaries.

LOAN FUNDS

The College also administers loan funds established by the bequest of Ellen H. Lyman and by George H. DeKay, Jr., in memory of his brother Frelin Campbell DeKay. By means of these funds, it is possible to co-operate in a moderate way, and temporarily, with the pressing needs of students.

THE RAY LOAN FUND made possible by the gift of \$1,000 by Mrs. E. F. Ray provides a means of meeting situations of temporary need.

THE LUCY B. JENCKS MEMORIAL STUDENT LOAN FUND OF \$160, established by the Claremont Chapter of the D. A. R., available to a senior girl to be designated by the Dean of Women.

For more substantial loans over a longer period, the College administers the following funds on an interest bearing basis:

THE CAROLINE PHELPS STOKES FUND, endowed in the sum of \$1,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister.

THE ETHAN ALLEN CHASE AND AUGUSTA FIELD CHASE MEMORIAL FUND OF \$5,000, for men.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

SELF SUPPORT

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many are helping themselves by various forms of labor such as janitor, waiting on tables, general house work, gardening and the like. The most desirable positions are in general secured by our classmates who have proven themselves good workers and students, and those coming to the College for the first time should be content if any work which they can satisfactorily do is found for them. Students in any case should come prepared to pay all bills for at least one semester. Their record during this semester will be a large factor in deciding what opportunities for help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

The National Youth Administration program provided at Claremont College during the year 1935-36 the sum of \$1215 per student, which was earned by needy students assigned to socially useful tasks. Students were permitted to earn an average of \$10 a maximum of \$20 per month.

ADMISSION

ADMISSION

PREPARING FOR COLLEGE

The College welcomes tentative applications from prospective students a year or so in advance and is glad to offer suggestions regarding the best preparation for admission.

Any person interested in preparing for Pomona, or any Principal, Vice-Principal or Counsellor who is responsible for directing the preparatory programs of students is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific programs. It is often possible for students to select work in their final high school years that will add greatly to their ability to do college work. The Director of Admissions is glad to cooperate with the preparatory schools in planning satisfactory programs for any individuals, whether or not they are Pomona College applicants.

Anyone interested may have his records evaluated at any time. By having this done early subsequent admission difficulties may be avoided.

For further information, write to Director of Admissions, Sumner Hall, Pomona College, Claremont, California.

GENERAL REQUIREMENTS AND METHODS OF ADMISSION

Inasmuch as the College expends on its educational work about as much as it receives from tuition fees, thus making an investment of three hundred dollars a year in every student admitted to its halls, the College naturally is justified in rendering service only to those who are properly qualified to profit there both in their own development and in their subsequent service to society.

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments. Any student who falls below grade in scholarship or who, for any reason, in the judgment of the faculty or proper committees, is felt not to be a desirable member of the student body, may be dismissed without specific charges.

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the fullest participation in the college atmosphere and life. It is important, therefore, that all absence through the college should be avoided. Some of the most important of the college

are lost by absences on Saturday and Sunday, on which are centered particular and vital phases of the common life, it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

is the purpose of Pomona College to do a distinctly high of work, thus preparing its graduates for special achievement in whatever later callings they may choose. While Pomona emphasizes the value of a broad general training as preliminary to the highest achievement in any professional field, it is such a variety of courses that many students readily find desired combination which constitutes a definite and adequate preparation for later professional training in a special field such as medicine, law, engineering, scientific research, religious or social service, teaching or other fields. Candidates for admission are expected to present satisfactory evidence of their fitness for college, both in character and in scholarship.

Formal application should be accompanied by a fee of two dollars and fifty cents.

Medical examination conducted by an authorized physician, under the direction of the College, is required of all students.

Applicant for admission, immediately upon receipt of notification of acceptance, is required to make a deposit of twenty-dollars. See page 32.

ADMISSION TO FRESHMAN STANDING

Applicants are admitted to freshman standing in accordance with one of the following plans:

- I. Certificate of graduation from an approved secondary school showing either:
 - A. Fifteen recommended units accumulated during the 9th, 10th, 11th and 12th grades; or
 - B. Twelve recommended units accumulated during the 10th, 11th and 12th grades.
- I. Certificate of graduation from an approved secondary school showing either:
 - A. Twelve recommended units accumulated during the 9th, 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:

ADMISSION

1. A personal letter from the proper official of school from which the candidate graduated, or graduating; and
 2. A satisfactory achievement in specified scholastic aptitude tests; or
- B. Nine recommended units accumulated during the 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
1. A personal letter from the proper official of school from which the candidate graduated, or graduating; and
 2. A satisfactory achievement in specified scholastic aptitude tests.

Note: Certificate of having successfully passed examinations as given by the College Entrance Examination Board will be accepted as the equivalent of secondary school units in subjects covered by such examinations. These examinations are given at stated times and places; information regarding details may be secured from the Director of Admissions.

Plan III. Examination by the College.

ADMISSION TO ADVANCED STANDING

Students who transfer from a Junior College, or from another College or University, and who have sufficient credit therefor are admitted to advanced standing on credentials signed by proper officials. These credentials should give full particulars regarding the nature of the courses taken, the time spent in each, and the student's final grade in the same.

THREE YEAR PROGRAM OF JUNIOR COLLEGE GRADUATES

Recognizing the increasing demand on the part of Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to a Master's degree rather than a two-year program leading to a Bachelor's degree, Pomona College wishes to announce that it is prepared to arrange such a procedure and welcomes inquiries from all who are interested.

ENTRANCE SUBJECTS

The only specific requirement is at least 3 units of English. In addition to this, applicants will find it advantageous to

following: at least 2 units of one foreign language; 1 unit of history, algebra, geometry, and laboratory science; and 3 more units of electives from the following subjects: English, foreign language, history, mathematics and laboratory science.

For advanced work in most fields, a reading knowledge of at least one modern foreign language is necessary, usually French or German. In some fields, a command of both is desirable. It is much to the advantage of the student to acquire this reading knowledge before entering college. Students who are planning to do advanced work in the Physical Sciences or in Mathematics, do well to take both Trigonometry and Solid Geometry in High School if possible.

ADMISSION AS SPECIAL STUDENTS

Gifted students, particularly those equipped for advanced studies in special departments, may be admitted as special students to courses for which, by ability and preparation, they may be qualified. Special students are not candidates for a degree.

PRE-REGISTRATION AND REGISTRATION

On appointed days, on or before the first Saturday in June, *all prospective students must fill* out a schedule listing their choice of courses for the following year.

New students prepare a program of study on announced days before the opening of each semester.

Registration is completed by the payment of tuition and fees before the regularly announced days preceding the opening of class work of each semester.

A fee for late pre-registration or late registration is \$2.00 for the first or second day following the appointed days, and \$1.00 additional for every day thereafter to a maximum of \$10.00.

CHANGES IN REGISTRATION

A student has the privilege of modifying his schedule of studies by addition or substitution of courses, with the assent of his adviser and the instructor concerned, at any time within two weeks before the beginning of class work. A student may drop a course, with the consent of his adviser and without penalty, within a week following the beginning of class work. Thereafter, the dropping of a course by a student shall entail for him a grade of F for the course, except as circumstances may, in the judgment

of the instructor and the Classification Committee, warrant a different grade.

The fee for each change of schedule is one dollar (\$1.00). This is waived in the case of new students, registering for the first time.

Students are admitted to those courses only for which they have formally registered.

Students are not received later than two weeks from the beginning of class work.

MATRICULATION

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the standing of all new students is provisional until after they have been in residence for one semester. At that time those are matriculated who have shown themselves in accord with the spirit of the College and who have done a satisfactory quality of work during their semester of residence.

Matriculants must have carried the work of their first semester of residence without incurring any FF grades, and they, if Freshmen, have earned at least 24 grade points, and if Sophomores or Upperclassmen, at least twice as many grade points as the number of units for which they were registered. Students carrying any class carrying less than 12 units must have made twice as many grade points as the units for which they were registered.

Students failing to matriculate at the end of the first semester of residence may be matriculated only after they have met the requirements for two semesters.

Students are not candidates for a degree nor are they eligible for recommendation to college standing in another institution until they have matriculated. All students must be matriculated before attaining to Junior standing.

SUPERVISION OF SCHOLARSHIP

Amount:

The College regulates the amount of work a student may carry as follows:

15 or 16 units of academic work, exclusive of Physical Education (Gymnastics, Sports, Activities*) Military Drill and Band,* is the general registration and the maximum for freshmen.

to register for 17 units, exclusive of work stated in the preceding paragraph, a student must have earned 32 more grade points than the total number of units for which he registered the previous semester; to register for 18 units, 40 more grade points. To register for less than 12 units of academic work requires special permission.

Quality:

A student is expected to secure each semester twice as many grade points as the total number of units of registration. At the end of the first month of each semester, and also at or about the middle of each semester, a report is made of all students doing failing or unsatisfactory work for the period preceding the making of the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good scholastic standing. Advisers and faculty receive such reports and take such steps as are advisable in each individual case.

At the end of each semester a complete report is made on every student. This report becomes part of the student's record and states the semester's standing in the courses for which he has registered.

Whenever the quality of a student's work declines to such an extent that his graduation in due course seems improbable, he and his parents are so informed, and he is advised to withdraw. Decision in every such case is reached by the joint action of the College Life and Classification Committees in consultation with the student's adviser. The college may at any time require the withdrawal of a student if the quality of his work seems to warrant such action.

Withdrawing From a Class:

Students may withdraw from classes only through authorization from the Recorder's Office. This authorization is sent by the Office directly to the instructor.

Policy Dropping Students:

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at any time.

Semester hour value of each of these is as follows: Phy. Ed., ½; Mil. Drill, ½; Choir, 1.

later than six weeks from the beginning of the course. The student's class card, with a grade of either FF or W for the course and an annotation reporting the fact of his having been dropped, shall be turned in to the Recorder's Office.

Class Attendance:

Students are expected to maintain regular attendance at class appointments in the courses for which they are registered. Irregular attendance usually results in low scholastic standing and failure.

While there is no general college requirement, each instructor has the right to establish such specific regulations regarding attendance as may seem best suited to his particular department.

Final Examinations:

Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty.

The schedule of final examinations is prepared by the Courses of Study Committee. No changes of classes from this schedule may be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee, upon the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Classification Committee.

A teacher may, at his discretion, appoint a time at which an announced test missed or not passed may be made up. When such a test can be taken, a receipt from the Business Office showing payment of a fee of one dollar (\$1.00) must be presented to the teacher by the student, unless this fee is remitted by the Classification Committee.

Field Trips:

Field trips are looked upon by the faculty as a legitimate part of certain courses. Permission for such trips is secured by the instructors from the Courses of Study Committee at the beginning of each semester. Instructors certify to the Recorder's Office the names of students participating in these trips.

Eligibility:

Students are required to maintain a satisfactory standard of excellence in all their studies in order to represent the College in any of its athletic teams or other organizations coming into contact with the public.

SUPERVISION OF CONDUCT

the government of the College, the largest liberty consistent with good work and orderly conduct is allowed. Students are expected to show both within and without the College such respect for order, morality, personal honor, and the rights of others as good citizenship demands. Failure to do so will be sufficient cause for removal from the College.

The Committee on College Life exercises the authority of the College over all students individually with respect to personal conduct, and over student organizations which bear the name of the College, or which represent the College in any way.

Individual or collective student enterprises which involve the presence of the participants from the College, while using the College name, must receive the official sanction of the Committee on College Life.

The use or possession of alcoholic liquors of any kind whatsoever on the campus is prohibited by the College.

REQUIREMENTS FOR DEGREE

Pomona College awards but one academic degree, that of Bachelor of Arts, which may be attained either in ordinary or in honors. The special procedure in honors study is given on page 58. The following requirements apply to all students.

UNIT REQUIREMENTS

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation or lecture period, or one laboratory period a week for one semester. A recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in four years one must take an average of twenty-one units of academic work throughout.

GRADE POINT REQUIREMENTS

In order to graduate a student must not only earn a certain number of units, but also attain an average of at least C grade in all units. To this end a certain number of grade points is ascribed to each grade as a basis of determining average grade. The scale is adjusted so that the number of credits required for graduation equals with double the number of units.

GRADES AND GRADE POINTS

GRADES AND GRADE POINTS

1. Grades and grade points are as follows:

GRADES	GRADE POINTS PER UNIT
A	4 (excellent)
B	3 (very good)
C	2 (average)
D	1 (passing)
F	0 (failure) may be made up to a outside of class
FF	0 (failure) may not be made up ex by repeating course
I (Incomplete)	
W (Withdrawn with permission while work was of pa grade or better)	

2. The F grade and the FF grade both indicate a failure. In the case of the F grade the failure incurred may be made up outside of class upon conditions laid down by the teacher, provided the conditions are met on or before the first day after the Spring vacation, if the failure is incurred in the first semester,* or on or before the first day of recitation of the next College year, if the failure was in the second semester. An F grade made up thus may not be raised above a D grade. An F grade not so made up remains permanently upon the records as a failure. A FF grade can be made up only by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated when next offered. A student may not continue with work in which he has received a FF. The making up of work which has resulted in the F or FF grade does not expunge the grade from the records. The student does permit credit and "grade points" for the course.

All F and FF grades reported by teachers are accompanied by a specific statement in writing of the cause for the failure. A detailed statement in case of the F grade of the work necessary for its removal. A copy of this statement is mailed to students.

3. The I mark is given where illness on the part of a student justifies the granting to him of additional time for the completion of his work. It may be changed upon the same conditions as are laid down for the making up of the F grade, with this exception that other than a D grade may be thus earned.* Teachers are not to give an I grade for other justifiable cause than illness. No student first receive permission to do so from the Classification Committee.

4. The mark W is used where a student has withdrawn from a course in accordance with provision on p. 51.

*F or I grades incurred during the first semester of year may be removed on the recommendation of the teacher or by the successful completion of the work of the final semester.

GENERAL REQUIREMENTS FOR GRADUATION

DIVISIONS

The departments of the college are organized in three divisions, as follows:

I	II	III
English	Astronomy	Economics
French	Biology	Education
German	Botany	History
Italian	Chemistry	Physical Education ²
Japanese	Geology	Political Science
Latin	Mathematics	Religion
Portuguese	Military Science	Sociology
Russian	Physics	
Spanish	Psychology ¹	
Telegraphic Address	Zoology	

Psychology C107, Educational Psychology; and Psychology D112, Applied Psychology, shall count for purposes of distribution in Division II instead of Division II.

Physical Education A5, Hygiene; C130, Kinesiology; and D131, Physical Deviations, shall count for purposes of distribution in Division II instead of Division III.

DIVISION REQUIREMENTS FOR GRADUATION*

1. 126 units total, including six units of Physical Education Activities, four of which must be taken in the first two years and two in the last two years of the course.
 2. 36 units of C and D courses, of which 24 are to be in one division.
 3. In the other two divisions there are to be a total of 42 units (A, B, C or D), not less than 12 units in either division.
 4. Physical Education Activities and Military Drill are not counted in meeting the division requirements stated above. Applied Art and applied Music units count if they meet regulations governing credits acceptable for graduation.
- These General Requirements are designed to protect the student against gross errors in shaping his collegiate program. They intend—

Prior to graduation, all students are required by the laws of the State of California to pass a course or an examination on the Constitution of the United States. This requirement may be met by Political Science A1, B3b, C101, D113a, D114, History B9a, D119, D125.

Those students who have not completed the Constitution requirement for graduation by course or by examination on or before the opening day of senior year will be required to register for a course meeting the requirement during the first semester of senior year, save as exceptions may be made by action of the Classification Committee.

56 GENERAL REQUIREMENTS FOR GRADUATION

tionally leave him a great deal of freedom to shape his course of study according to his interest. In the exercise of this freedom will be the part of wisdom for him to take advantage of the work organization of the curricular program into sequences of courses, departments and divisions, looking upon these things as aids which he, as student, may avail himself in the process of securing an education. Courses, etc., are, however, merely aids toward, substitutes for, reading, reflection and independent study.

CHOICE OF SUBJECTS

In the planning of his work the student in Pomona College is given a large range. The only limitations are designed to inculcate to him, on the one hand, the breadth of view which may be gained by some study of each of the great realms of knowledge; and on the other, that concentration along a chosen line of work which shall develop power of thought and an actual fund of knowledge in some particular field.

In selecting his courses of study and also in determining his outside reading the student should have as his fundamental purpose while in college to become familiar with the principal phases of the intellectual culture of mankind. This involves the following essential features:

1. Acquaintance with great literature.
2. Comprehension of the principal concepts of natural science, both physical and biological.
3. Familiarity with present-day established conceptions of social order and an intellectual grasp of contemporary social problems.
4. Some philosophical appreciation of the general nature of the universe and an evaluation of human ideals, both moral and religious.

The student should bear in mind that the divisional and departmental arrangement of courses is primarily for convenience and is not intended to limit his own responsibility to acquire a liberal education which will meet the fourfold objective stated above. The extent to which he has succeeded will be to some degree indicated by the results of the general examination in his senior year.

In the evaluation of all academic exercises the quality of English used by the student will be weighed together with the soundness and completeness of his thinking. Before any student is accepted into the upper division standing he must satisfy a committee of the College of his ability habitually to use English of good quality. A student whose English is persistently unacceptable may therefore be excluded from candidacy for a degree at the next ensuing commencement if his deficiency recurs as late as the middle of his senior year.

Responsibility for raising the level of a student's habitual English lies solely with himself, inasmuch as it is not the policy of the College generally to undertake the teaching of basic secondary school subjects. Students who have weakness in expressing themselves in their mother tongue should bear in mind the value of the important courses offered by the Department of English.

CONCENTRATION IN SPECIAL FIELDS

For the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and methods of procedure have become established:

1. Lower Division Preparation: There must be sufficient Lower Division (A and B) work in the special field and in allied fields to ensure adequate preparation for carrying successfully the Upper Division work aimed at.

2. Upper Division Requirement: Not less than eighteen hours of Upper Division (C and D) work in the field of concentration; of these eighteen hours must be of D rank, and six of them must be taken during the Senior year.

3. Foreign Language: For advanced work in most fields a working knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of two is most desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college.

4. Comprehensive Examination: In most fields the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which his concentration lies.

5. Adviser: That member of the faculty in whose field a student is working intensively becomes the student's official adviser during his Junior and Senior years. It will be well for the student to consult his prospective adviser even earlier in his course.

The application of these ideas involves to such a degree a recognition of differences between fields of learning and between the individualities of students that no summary statement of them could be thought of as complete. The attention of those interested in special fields is therefore directed to the more extended presentations of work in various fields together with certain pre-professional courses which are found on pages 62-72.

Most of the statements made in connection with concentration should be read as suggestions rather than as rigid regulations; the degree of emphasis attached to each such suggestion will be determined for the student by his adviser.

MANUAL OF PROCEDURE IN HONORS STUDY

PURPOSE OF HONORS STUDY

A student who shows capacity for more than average intellectual achievement is permitted during junior and senior years to study for the bachelor's degree with honors. Such a student pursues a definite program looking toward the mastery of a major subject and the understanding of one or two minor subjects, particularly in their relations to the major. The elements of the honors program thus form a significant pattern of integrated study in two or three departments of a Division of the curriculum. Honors work affords the student to whom it is primarily an intellectual experience the opportunity for independent study through a more flexible use of courses. Released from as much of academic routine as his instructors approve, an honors candidate assumes responsibility for a deeper and broader knowledge of his chosen field than is expected of an ordinary student.

Honors study, begun at Pomona College in 1924, has since the academic year 1927-28, the only procedure for attaining the degree with honors. Beginning with September 1928 this manual replaces all previous regulations with respect to candidacy for the degree with honors.

REQUIREMENTS FOR CANDIDACY

A student may be admitted to candidacy for honors on the basis of a record which shows promise of competence to do independent work. It is expected of such a candidate (a) that he exercise initiative and self-administration in his work; (b) that he maintain a scholarship consistently first among his interests; and (c) that he maintain a high standard of scholarship in the Division wherein his honors program lies, and a satisfactory record in other work. He is encouraged to utilize vacations in preparation for reading and study. Candidacy for the degree with honors may be continued only so long as the candidate maintains a qualified record in his work and an attitude such as will justify his Division in recommending him for the degree with honors at graduation.

ADMINISTRATION

General administration of honors work is vested in the Committee on Honors. Each Division of the Faculty approves the programs of its candidates, supervises their work, and administers the senior honors examination within the Division. Upon recommendation by the Division, the Committee on Honors may certify to the Recorder candidates for the degree with honors.

REGISTRATION

I. FRESHMAN AND SOPHOMORE ASSOCIATES

Freshman or Sophomore may associate himself with the honors group of the College by making a declaration of intention upon his registration card, with the approval of his adviser. Freshman and Sophomore Associates are invited to attend occasional group meetings of candidates for honors.

II. REGISTRATION FOR DIVISIONAL HONORS

Formally at the end of Sophomore year and not later than the beginning of Senior year a student may apply for candidacy for degree with honors. The application form, obtainable from the Recorder, should set forth a program of honors study formulated with the approval of the adviser with whom the student is to study. The program is subject to acceptance by the Division and Adviser appointed by the Division. The requirements for Divisional Honors are printed elsewhere in the catalogue. Normally the program should include work in one department of major interest and in one or two departments related to the major in the same Division. The student should direct study toward a mastery of these elements of his program and understanding of their relations to one another. Evidence of knowledge is sought in an examination administered by the Division during senior year. Requirements in courses studied outside the Division of honors work are determined by the instructors concerned. Each candidate's program should be filed with the secretary of the Division. Each semester the candidate's registration must be approved (a) by his adviser and (b) by the secretary of the Division. Special programs for honors study in more than one Division must be approved by the Committee on Honors and carried out under an adviser approved by that Com-

mittee. The number of curricular hours per semester for which a junior registers may be restricted to twelve; for a senior the number of curricular hours may be restricted to twelve or less.

METHODS OF INSTRUCTION

Methods of instruction vary with different Divisions and departments. Requirements with regard to courses, attendance, course examinations, theses, conferences and seminars are determined by the Division or by departments with consent of the Division.

WITHDRAWAL

A student registered for the degree with honors may withdraw from candidacy on favorable action by the Division concerned or by the Committee on Honors in the case of a student with a special program. A division itself may withdraw a student from candidacy, and the Committee on Honors may withdraw a student with a special program. In senior year the status of a candidate may be changed only with approval of the Committee on Honors. If, for any reason, a candidate leaves the honors status, the Division concerned certifies to the Committee on Honors the credit to which the student is entitled for work under its supervision.

EXAMINATIONS

A candidate for the degree with honors takes a written divisional examination toward the end of senior year. Each division assembles questions from participating departments to make up the various parts of the Divisional examination; it determines in cooperation with the Committee on Honors, the dates for the examinations and conducts them. The candidate writes on the parts of the Divisional examinations which relate to his program of honors work. In the case of a special program including honors work in more than one Division, the candidate takes the other Divisional examinations as are related to his program of honors work. It is proposed through these examinations to determine the measure of each candidate's abilities, and to determine the quality and range of his scholarship as revealed in his grades, the elements of his honors study and their relations to one another. Copies of the examinations are filed with the Committee on Honors for reference and study in relation to honors work.

An oral examination, in addition to the written Divisional examination, may be required of a senior candidate at the discretion of a Division or a department. Such an oral examination conducted by at least three examiners chosen by the Division, of whom one is the candidate's adviser. In addition to these examiners the Division, in cooperation with the Committee on Honors, may appoint an examiner from another institution and the Committee on Honors appoints one of its members to attend the examination. The purpose of the oral examination is to supplement the examinations previously taken. In it the candidate is responsible for the entire scope of his honors study.

A candidate taking courses outside of his honors program is subject to the ordinary requirements with regard to examinations in such courses. From examinations in courses included in his honors program he may be exempted at the discretion of the instructors concerned.

HONORS

At the end of senior year the Division concerned recommends to the Committee on Honors the credit to which the candidate is entitled for his honors works and the particular honor, high honor, or highest honor for which in their judgment he has qualified. A student who does not merit honors, but whose credit warrants graduation, will be recommended for graduation in good standing. His examination by the Division shall be considered as a substitute for the general examination for Seniors in Course.

GRADUATION

In the case of a candidate who qualifies for the degree with honors, the Committee on Honors certifies to the Recorder the credit and to the Faculty the particular honor to be awarded. The honor is announced on the Commencement program and recorded upon the graduate's diploma.

DISTINCTION IN COURSE

Every senior, excepting candidates for Honors, is required at the end of senior year to take a general examination based on his entire academic course. The results of this examination together with his grade point average are used by the Committee on Honors for recommendation of a qualified student for graduation with Distinction in Course. Such recognition is announced in the Commencement program and recorded upon the graduate's diploma.

SUGGESTED PROGRAM

FINE ARTS

(DEPARTMENTS OF ART AND MUSIC)

Courses in the history, appreciation, and theory of art and music are offered by the College as contributions to personal culture, and receive credit toward the Bachelor of Arts degree on the same basis as other academic courses. In the fields of applied music and art technical proficiency is aimed at, with the idea, first, of developing an appreciative taste, and second, of stimulating creative ideas worthy of expression.

APPLIED ART: Students wishing to concentrate in Art as a major subject for the B.A. degree may elect courses in Drawing, Painting, Sculpture and pre-Architecture. A theoretical knowledge of all these fields is desirable and practical work should be taken in two of them. A sense of design and an appreciation of and ability to render form must be exhibited in the basic courses as the foundation for further specialization.

The student will be expected to present his work in the Department Exhibition at the end of each year. In the fourth year the student concentrating in Art will give a separate exhibition of his work of that year.

MUSIC: Either theoretical or applied music may be elected as a subject of concentration for the Bachelor of Arts degree. In addition it is also possible to meet the requirements of the State Board of Education for the Special Credential in Music, which qualifies those recommended to teach music in the public schools of the State of California. The student, whether concentrating in music toward the Bachelor of Arts degree, or working toward the music credential should elect the beginning harmony and sight singing course in his first year, otherwise he will have difficulty in completing the requisite courses.

Each candidate for the Special Credential in Music, as well as those pursuing a course of concentration in either applied or theoretical music, must present a satisfactory public recital in his chosen subject. Other requirements are varied according to the type of credential (Public School Music, Voice, Piano, Organ, Violin, or Special Instruments) which is desired. Complete information as to requirements for these types of credential may be obtained from the Department of Music.

APPLIED MUSIC: The student in applied music will be eligible for credit toward the Bachelor of Arts degree upon the written recommendation of the Head of the Department of Music. This recommendation is based upon a system of proficiency tests given by examining committees of the music faculty. In addition, the student in applied music must be accompanied or preceded by first year harmony and sight singing to receive credit. A second year or more of credit is possible when the applied music course is accompanied or preceded by second year Harmony or Advanced Dictation. A minimum of two half-hour lessons weekly is required for which credit of one unit is given. Proficiency tests are required only of students in applied music who desire credit toward the Bachelor of Arts degree.

ENGLISH

(DEPARTMENTS OF ENGLISH AND PUBLIC ADDRESS)

The English group functions in three different ways:

1. To persons desirous of proficiency in our mother tongue whether for the sake of apprehending the ideas of others or for the sake of expressing their own, it affords training in reading, writing and speaking.
2. To persons seeking the mental and spiritual culture attendant on the processes of literary appreciation it offers a generous variety of courses.
3. To persons who wish to make English in any of its phases the dominant feature of their collegiate programs it provides opportunity for concentration during the junior and senior years.

To the end that proper organization and direction may be achieved and a desirable breadth at the same time maintained in the programs of students concentrating in English the following objectives are recommended for their guidance:

1. Effective command of the English language, in reading, in writing and in speech.
2. Extended and intensive experience in literary appreciation; interpretation and criticism; original creation.
3. Intelligent acquaintance with the great books of the world. Reading Lists I and II offer guidance supplementary to that afforded by organized courses.
4. A general knowledge of English and American social culture in its historical development.
5. Some understanding of the more significant movements in the field of philosophy, especially as they bear on literature and art.
6. A mastery, the more complete the better, of at least one language other than English. Besides the added understanding of general linguistic problems achieved through such mastery, the intimate contact with a foreign culture entailed in a study of its language has a value attainable in no other way.

Students who have in mind to go on to advanced graduate work in English should recognize from the beginning that the best university standards will demand a thorough grounding in Latin—not less than the full high school course—and a leading knowledge of both French and German.

NOTE: Personal interests of the student—as Music, Art, phases of Social Science, or of Physical and Biological Science—may very properly be accorded such recognition in this program as to entail a sacrifice—at least in part—of one or more of the “objectives” listed.

The minimum formal requirement for concentration in English is 24 hours of satisfactory work in the Upper Division: two C courses and two D courses.

SUGGESTED PROGRAM

FOREIGN LANGUAGES AND LITERATURES

(FRENCH, GERMAN, GREEK, ITALIAN, LATIN AND SPANISH)

CONCENTRATION IN THE FIELD

A student interested in the synthetic study of the complete field of foreign letters may, under an adviser appointed by the group, pursue work in the various departments of the group, thereby concentrating in the field. Such a student should hold non-credit bearing conferences from time to time with the faculty of the group looking toward a comprehensive examination in the general field of foreign languages and literatures.

CONCENTRATION IN DEPARTMENTS

A student planning to concentrate upon any one of the foreign languages should have begun his study of that language before entering college. Preparatory work in some other language is a distinct advantage.

Although the student is normally expected to concentrate only one of the departments of Foreign Languages, he should acquire as broad an acquaintance as possible in all the other fields of literature represented in the group.

Eighteen to twenty-four hours of C and D work are required in the department concerned, in which at least a B average must be maintained. For a student desirous of doing more specialized work than is possible under the regularly scheduled offerings, the Honors plan presents additional opportunity. At the end of the Senior year a comprehensive examination will be required.

LATIN AND GREEK

Concentration in the Classical Languages is designed to give the student a technical knowledge of the language and literature of special interest and an appreciation of the life and institutions intimately connected with that literature.

The student of Latin is expected also to have an acquaintance with the Greek language and literature. It is not essential, however, in the lower division courses of Latin.

ROMANCE LANGUAGES AND LITERATURES

A student expecting to concentrate within the field of Romance Languages and Literatures should be fortified with a knowledge of Latin, and will find it much to his advantage to have begun the study of French or Spanish, or both, before entering college.

Concentration in a Romance Language and Literature is designed to provide: first, a broad general knowledge of both language and literature of the student's special interest; and second, a considerable knowledge, represented by not less than two years of college work in at least one other language of the Romance family.

A student who is well equipped in foreign language on entering college, is urged to take work in all three of the Romance Languages.

GERMAN

Concentration in German is designed to give the student a technical knowledge of the language and of the German civilization as represented by the best works of literature.

BIOLOGICAL SCIENCES

(DEPARTMENTS OF BIOLOGY, BOTANY AND ZOOLOGY)

OPPORTUNITIES.

The location of Pomona College, close to mountain, desert, al plain and sea, makes it especially suited to studies of systemic and ecological nature. This assures also an adequate and diversified supply of materials for class and laboratory and for all problems of a morphological or physiological nature. The college, furthermore, possesses a number of special biological collections, notably of plants and insects. The Marine Laboratory at Laguna Beach is an adjunct valuable during the summer session and of use on occasion throughout the year.

CONCENTRATION IN THE DIVISION.

A student emphasizing biological science is ordinarily expected to take Biology A1, and Biology B2, followed by an integrated program in either Botany or Zoology or both. A reading knowledge of German and French and a training in the physical sciences are also recommended according to the needs of the individual.

COURSES PREPARATORY TO:

1). Graduate work, looking towards investigation or higher teaching. Broad foundations in the biological and physical sciences with liberal selections of advanced courses in the field of specialization, are essential for those who anticipate professional work in biological science.

2). Teaching in secondary schools. Teachers of biological sciences and general science need basic courses in as many branches as possible. The following are also important: Field Biology, Plant Physiology and Taxonomy, Physiology, Entomology, Botany and Bionomics.

3). Museum work, conservation, nature guide work, field work. In addition to the basic courses are recommended: Plant Taxonomy, Functional Zoology, Entomology, Special Problems, Botany.

4). Horticulture, agronomy, landscape art, forestry. For the first two: Plant Physiology, Bacteriology, Entomology, Genetics, Organic Chemistry, Elementary Physics, Structural Geology. For landscape art: Plant Taxonomy, Freehand and Mechanical Drawing, Surveying, Chemistry, Geology, and Economics. For forestry: Plant Taxonomy, Entomology, Surveying, Plant Physiology.

5). Medicine, nursing, laboratory technique, public health, and dentistry. Pre-medical requirements are discussed elsewhere. Inasmuch as medicine is highly biological, a liberal election of Embryology, Histology, Neurology, Functional Zoology is recommended. Work in Entomology, Bacteriology and General Botany is also recommended in addition to the above for Public Health.

SUGGESTED PROGRAM

PHYSICAL SCIENCES

(DEPARTMENTS OF ASTRONOMY, CHEMISTRY, GEOLOGY,
MATHEMATICS AND PHYSICS)

The group of Physical Sciences renders through its freshman and sophomore courses two quite distinct types of educational service:

1. For persons who are not intimately concerned with scientific pursuits it offers a general introduction through such courses to modern scientific method, to the philosophic aspects of science, and to the place of the sciences in the general scheme of human affairs, along with the theoretical and descriptive presentation of the subject-matter. Conspicuous among such courses are: Mathematics A1, Physics A1, Chemistry A1, Astronomy B1 and Geology B1.

2. For those who incline toward more emphasis on the physical sciences during their collegiate years, whether for purposes of teaching, or with a view to engaging in commercial enterprises requiring knowledge of physical science, or because of an interest in scientific study for its own sake, the group offers excellent opportunities for concentration.

PREREQUISITES for undertaking concentration in Physical Science:

1. Physics and Chemistry: Fundamental in importance is such an understanding of the constitution and value of matter and energy as is ordinarily gained through basic courses in Physics and Chemistry.

2. Mathematics: A practical knowledge of the tools of scientific reasoning acquired in Mathematics is essential. The minimum mathematics courses at least through calculus. It is urged that those planning such work in college complete trigonometry in high school.

3. Foreign Languages: It is highly desirable that the student purposing to concentrate in the Physical Sciences shall acquire a reading knowledge of both French and German.

CONCENTRATION: Each one of the departments in the group has its own sequence of courses for the student concentrating in that section of the general field; but it also requires supplementary work in related departments. In addition, there are opportunities for concentration in fields that cross departmental lines. The conditions and implications are too markedly individual, however, to permit of a satisfactory general statement; they must be worked out between the student and his adviser.

SOCIAL SCIENCES

(DEPARTMENTS OF ECONOMICS, EDUCATION, HISTORY,
POLITICAL SCIENCE AND LAW, AND SOCIOLOGY)

CONCENTRATION IN THE FIELD:¹ Although emphasis in the program of a student concentrating in the field is placed on an intended sequence of studies in one of the social sciences, it is expected the student will obtain a broad understanding of the content meaning of the social sciences as a whole. With this in view he will include early in his course at least three of the four basic sciences² in the group. He will maintain a "B" average in the social sciences, will complete 24 units in "C" and "D" courses in the field of which at least 12 must be "D," and will include courses D251 and D252 in the social science of his more intensive study.

FOREIGN LANGUAGE: It is recommended that every student concentrating in the Social Sciences acquire a reading knowledge of French and German. Normally by the beginning of the Junior year or not later than the middle of his Senior year, the student is required to file with his Adviser a written certificate of his ability to read French or German, issued by a member of the faculty in the department who has been designated to examine in those languages.

COMPREHENSIVE EXAMINATION: The work of a candidate concentrating in social sciences culminates in a written comprehensive examination, administered by the Social Science faculty. This examination consists of two parts: (1) a general examination to reveal the candidate's grasp of the broader aspects of the several social sciences and their interrelations, and (2) one or more specialized examinations to test his mastery of the particular social science in which the candidate has studied intensively. Inasmuch as the purpose of the comprehensive examination is to appraise the candidate's integration of the entire range of social studies included in the undergraduate program, the passing of both parts of this examination will exempt the student from final examinations in social sciences courses at the end of his Senior year.

The following courses offered by the Department of Education are considered to be part of the work of the Social Sciences:

Introduction to Education; History of Education.

SUPPLEMENTARY COURSES: In addition, the courses listed below, whether approved courses, may form a part of a student's program of concentration in the Social Sciences:

Philosophy of the State; History of Philosophy; Social Psychology.

The attention of social science students is called to certain courses available to them, offered by affiliated colleges in Clare-

Departmental concentration, or major, is offered in any social sciences B11, History A1, Political Science A1, Sociology B21.

SUGGESTED PROGRAM

PHILOSOPHY, PSYCHOLOGY AND RELIGION

A SUGGESTED COURSE during the Lower Division years for those intending to concentrate in the field.

FRESHMAN YEAR

Biology A1
Chemistry A1 or Physics A1
History A1 or Political
Science A1
English A1
Religion A1

SOPHOMORE YEAR

Zoology B3 or Astronomy
Psychology B1
Economics B11 or Sociology
B21
Philosophy B21 or B25 or
Religion B

Note: A reading knowledge of French and German is extremely necessary for persons who undertake advanced graduate work in the field.

CONCENTRATION IN THE FIELD requires:

1. The completion of the following basic courses:
Philosophy B25 or B27;
Psychology B1;
Religion D110.
2. The completion of forty units in the field; eighteen of these shall be taken in one of the departments in the field; six of them shall be of D rank.
3. The maintenance of a grade of B or better in courses taken in the field.
4. The passing of a comprehensive examination covering the entire field of concentration at the close of the senior year.

A SUGGESTED PRE-ENGINEERING COURSE

on the belief that the training of a liberal arts college, so essential to men in other professions, is essential to the engineer, the college has developed a series of courses to enable its graduates to enter the upper division work of engineering schools and to graduate therefrom in two years. Men during the first two years take the same course regardless of the field of engineering contemplated.

FRESHMAN YEAR

	Units
History B3 or A1 and B2.....	6 or 8
Mathematics A1	6
Mathematics A7 (Engineering Drawing).....	4
Foreign Language	6
Physical Education	10 or 7

SOPHOMORE YEAR

Mathematics B11	6
Mathematics B15	6
Mathematics B9 (Engineering Drawing).....	4
Physics B2 and B4.....	10
Physical Education	6

Pre-engineering students are advised to take in their Junior and Senior years as many as possible of the following courses.

JUNIOR AND SENIOR YEARS

Mathematics D120	3 or 6
Astronomy or Geology	6
Mathematics	6
Physics C111 and D109.....	10
Mathematics D121	6
Physics D220	6
Physics D113 Analytic Mechanics.....	6

In addition the six weeks' summer course in surveying at Bluff should be taken.

SUGGESTED PROGRAM

A SUGGESTED PRE-MEDICAL COURSE

Certain subjects have been designated by the Council on Medical Education of the American Medical Association as minimum requirements for entrance to Class A medical colleges. Many of the leading medical schools, however, have requirements well beyond this minimum, and from many more applicants than can be accepted are selecting only those who are best prepared and have demonstrated the highest scholastic ability and laudable personal traits. Pre-medical students are advised not to attempt to crowd the minimum requirements into two years of college work, but to build in a more leisurely fashion, a broad educational foundation. Broad training in view, culture, and a thorough grounding in the biological and physico-chemical sciences are the objectives of the pre-medical course.

Below is outlined a curriculum which meets the requirements for graduation from Pomona College and the entrance requirements of most of the medical colleges in the United States. It can readily be modified, as regards both science and non-science courses, to meet the specific requirements of any medical school which the student may plan to attend.

FRESHMAN YEAR		JUNIOR YEAR	
	Units		
English A1	8	Biology B2a	
Biology A1	6	Zoology C117	
Mathematics A1	6	Chemistry C104	
German A1	6	Psychology B1	
Elective, Div. I or III	4	Electives, Div. I or III	
		SENIOR YEAR	
		Zoology C115 if needed....	
		Remainder all electives.	
		Chemistry C104 and 2	
SOPHOMORE YEAR		C117 may be deferred	
Chemistry B4	10	senior year if arrangement	
Physics B2 and B4	8	other electives makes this	
German B3	6	able.	
Electives, Div. I and/or III	6		

A reading knowledge of both German and French is highly desirable. High School work in these languages and in Latin is recommended for those planning the medical course, and the program suggested above may be modified in accordance with previous preparation in these subjects.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS

The courses in Education in Pomona College are designed to give the information each intelligent citizen should have concerning one of the most important of our social institutions; they offer to the prospective teacher a certain amount of pre-professional training.

CERTIFICATES: In California every teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon presentation to the county board of education of a qualifying credential issued by the State Board of Education through its Commission on Credentials. The Commission issues the credential to the candidate upon the basis of evidence furnished by the candidate's certificate that he has completed the requirements laid down by the

Requirements vary for different certificates and those who contemplate entering the teaching profession should make themselves familiar with these requirements as indicated in the bulletins of the State Board of Education which may be had by application to the State Board in Sacramento.

The more technical professional requirements are not usually met by courses offered in Pomona College and will need to be satisfied by courses taken in Claremont Colleges or elsewhere. Pomona College, however, does undertake to offer the prospective teacher the opportunity of becoming thoroughly acquainted with the fundamental concepts of education as a social institution and of laying a foundation upon which future technical training may be profitably built.

A SUGGESTED PROGRAM for the prospective teacher:

FRESHMAN YEAR: Academic courses preparatory to the credential view.

SOPHOMORE YEAR: Education B3; Psychology B1; further work in subject-matter to be taught.

JUNIOR YEAR: Education C104; Psychology C107¹; further work in subject-matter to be taught, or in related fields.

SENIOR YEAR: Education D215. A rounding out of the subject-matter to be taught.

¹These courses count technically as Education in all matters involving credentials.

SUGGESTED PROGRAM

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS OF
PHYSICAL EDUCATION

FRESHMAN YEAR		SOPHOMORE YEAR	
	Units		Units
English A1	8	Zoology B3	6
Chemistry B3	8	Sociology B21	6
Biology A1	6	Psychology B1	3
Hygiene A5	2	Music B3	6
Electives	8 or 9	Electives	9 or 10
JUNIOR YEAR			
Public Address B32.....	4		
Psychology C107	3		
Zoology C105	3		
Physical Education C130..	3	Physical Education C126..	2
Physical Education C127,		Education D215	3
C128	4	Physical Education D133..	3
Physical Education C119		Physical Education D131..	3
(for women)	2	Chemistry C114	4
Education B3	3	Psychology C104	1
Electives	8 or 9	Electives	1
6 units of required Physical Education Activities.			
SENIOR YEAR			

It is suggested that the required Physical Education activities be so selected as to give the individual opportunity for both technical skills and leadership training in a wide range of activities. A non-credit Camp Counselor's Training Course is held at Halcyon the A. W. S. cabin at Idyllwild, for a two-week period immediately following Commencement. This course aims to provide its members with experience useful in camping and other types of leadership, such as teaching and community recreation.

This program followed by a year of graduate work in Claremont Colleges will qualify the student for the general credential with a major in physical education.

A reading knowledge of French and German is highly desirable for any students who plan to go on to graduate research in Physical Education.

COURSES OF INSTRUCTION

DESIGNATION OF COURSES

The letter preceding the number in the designation of a course indicates in general its grade. Elementary courses, designated by English A1) are given in Freshman or Sophomore year; B courses are either those which follow the A course of earlier years or the more advanced beginning courses; C and D Courses are advanced courses given to Juniors and Seniors, D courses being the most difficult. The natural sequence of courses is from A to B, B to C and C to D, and a student may not enter a C or D course without previous work in the same line.

Courses with numbers below 100 are underclass courses; those numbered from 100 to 199 are for Juniors and Seniors; those numbered over 200 are not open to students of less than Senior standing. Any course may be withdrawn if the enrollment is less than

In departments where one-unit courses are offered, two such courses should be completed to secure the counting of units and credit-points toward graduation.

When courses in different semesters have the same general number and are connected by a hyphen thus, B1a-B1b, they cover a common subject and the entire sequence should be taken. If, however, courses are connected by a comma, thus, B1a, B1b, although the course is continued throughout the year, independent credit is given for the first semester and the first course may be followed by an allied subject instead of the next course in the sequence. Advance to the second semester course is by permission of the instructor.

All courses are three units each unless otherwise designated.

Roman numerals show the periods of recitations. Two courses with the same Roman numerals cannot be taken contemporaneously unless the numerals are preceded by different letters (as *M* or *W*), indicating that the classes meet on different days of the group.

	8:00	9:00	10:00	11:00	1:15	2:15	3:15
Group I	I	III	V	VII	IX	XI	XIII
Group II	II	IV	VI	[T-Chapel Th-Assembly]		X	XII
						XIII	XIV

Except Saturday

Courses to be arranged—A.

If a letter precedes the numeral, the class meets only on that day of the group.

COURSES OF INSTRUCTION

COURSES IN SCRIPPS COLLEGE

In addition to the courses listed below there will be announced at time of registration certain courses in Scripps College open for Pomona students under approved conditions. Each regular student in residence in Pomona College shall, however, select not less than half of his registration each academic year from courses in Pomona College.

ART

For each unit of credit in Art, except in C111, there is required a minimum of one hour of assigned reading and two hours of studio work per week. Students are urged to prolong these periods whenever other work permits, as they will then make more rapid progress.

Special fees for work in applied art are as follows: A9, B1, C107, D112, \$12.50 per unit. All other courses \$5 per unit.

A3a-A3b. Design and Drawing.

MR. BEG

The study of order in the graphic arts. The appreciation of form and its expression in pencil, charcoal and color. 2 units. *WF*, 1:15 to 3:05.

A9a-A9b. Modeling.

MR. JUREC

A general foundation in Sculpture, comprising a study of antique models from casts and work from nature forms. 2 units. *T*, 1:15 to 3:05.

B3a, B3b. Composition.

MR. BE

Pictorial Design in various media requiring a sketch each week on an assigned subject of an illustrative or decorative nature. To be taken in conjunction with another applied art course; may be repeated for credit. 1 unit. *M*, *IX*.

B11a-B11b. Advanced Drawing.

MR. BE

Cast drawing in charcoal in the first semester is followed by free trait drawing from the model in the same medium in the second semester. 2 units. *TTh*, 1:15 to 3:05.

B25a-B25b. Advanced Modeling.

MR. JUREC

Problems in applied ornament. Portrait study from cast and living model. Studio methods; casting and armatures. 2 units. *TTh*, 3:15 to 5:05.

C102a-C102b. Life Drawing.

MR. BE

Anatomical function and the construction of the human figure. Prerequisite B11a-b or equivalent. 2 units. *TTh*, 3:15 to 5:05.

C107a-C107b. Life Modeling.

MR. JUREC

Modeling from life. Figure, portrait in the relief and in the round. Laboratory and related work. 2 units. *A*.

1a-C111b. History of Art.

MR. BEGGS, MR. ROBBINS
and MR. BAUMANN

Study of the historical development of art with especial attention to national genius and expression. The Classic, Early Christian, Byzantine and Medieval Periods will be studied in the first semester, and Renaissance, Baroque, Neo-Classic, Romantic, Realistic and Contemporary Art in the second. *III*.

0a-C120b. Painting.

MR. BEGGS

Practice in Still-life and Landscape is adapted to a study of the techniques of various historic schools of oil painting. These are explained by means of a system of set palettes which afford an understanding of painting principles and an opportunity for the development of individuality of manner. 2 units. *MW, 2:15 to 3:05*.

5a-D105b. Advanced Painting.

MR. BEGGS

Attention is given to the completion of easel pictures including the portrait and the decorative composition. A large finished canvas is required in the second semester. 2 units. Class *F, VII*; laboratory, *A*.

2a-D112b. Advanced Life Modeling.

MR. JURECKA

Advanced composition in both relief and the round. Development of original conceptions. Study of color effects in sculpture. Laboratory and related work. 2 units. *A*.

ASTRONOMY

B1b. An Introduction to Astronomy.

MR. WHITNEY

Presents the general facts of historical and modern astronomy in a non-technical form suited to students with a minimum of science preparation. An acquaintance with the starry heavens is sought and an appreciation of man's relation to the surrounding universe. Regular evenings with the telescopes at the Brackett Observatory are supplemented by group projects and field excursions. Classroom two hours per week; observatory, etc., one period per week. Laboratory fee \$3.00 per semester. *VII*.

: Students in upper division courses in the department participate in certain regular observing programs, full expression being given to individual aptitudes and preferences. These observations deal principally with the varying activities of the sun, certain phases being periodically reported to the Observatory of Paris on an international schedule, in which the Brackett Observatory is a cooperating member. Prerequisites for upper division courses in the department are Astronomy B1 or its equivalent or a satisfactory preparation in physical science.

-C102. General Astronomy.

MR. WHITNEY

course in the fundamentals of modern astronomy designed

either for students planning advanced work in this field or those having a working knowledge of geometry, trigonometry, and the essential principles of physical science. A regular evening observatory schedule is maintained supplemented by other laboratory activities. Classroom two hours per week; observatory, etc. one period per week. Laboratory fee \$3.00 per semester. *A*

C103a-C103b. Practical Astronomy and

Navigation.

MR. WHITN

Deals with practical problems in astronomy and the compilation and reduction of the data obtained. Observations with the telescope, transit, and sextant are also applied to the determination of time, latitude, and longitude in a study of the theory and practice of marine and aerial navigation. Classroom one unit; observatory two units. Laboratory fee \$3.00 per semester. *A*

D105. Celestial Mechanics.

MR. WHITN

A short course in the applications of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems on the prediction of eclipses and occultations and on the computation of the orbits of comets, etc. Three units. First semester. *A*.

D106. Astrophysics.

MR. WHITN

Considers the applications of the principles of modern physics and chemistry to a study of stellar and cosmic problems and the reciprocal contributions of astronomical research to the physical sciences. Laboratory observations are both visual and photographic. Classroom one unit; observatory two units. Laboratory fee, \$3.00 per semester. Second semester. *A*. Offered alternately with D105. (*Omitted in 1936-1937*).

D230. Investigation in Astronomy.

MR. WHITN

A unified program of investigation in some particular field such as variable stars, double stars, solar radiation, meteor observations, etc., is arranged. Each semester one to four units. May be repeated for credit. Laboratory fee, \$2.00 per unit per semester. *A*.

BIOLOGY

A1a-A1b. General Biology.

MR. HILTON, MR. M
and ASSISTANT

A general course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany, zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the practical method it will be fitted to the preparations, needs, and interests of individuals or groups. Class *M* and *W*, or *F*, *VII*; laboratory, field trip, or demonstration *M,T,W,Th* or *F*, 1:15. Laboratory fee, \$6.00 each semester.

B2b. Advanced Biology. MISS CLAYTON and MR. MUNZ

General Zoology first semester. General Botany second semester. A general survey of the animal and plant kingdoms, dealing with classification, structure and life-processes of both groups. Prerequisite: Biology A1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the division. 4 units. Class, *TTh, II*; laboratory, *TTh, 1:15-4:10*. Laboratory fee \$8.00 each semester.

5. Bacteriology.

MISS CLAYTON

General study of important bacteria, methods of culture and study, and importance in disease and agriculture. Prerequisite: one year of biological work. Second semester. Class, *S, II*; laboratory, *MW, 1:15-4:10*. Laboratory fee, \$8.00. Breakage deposit, \$5.00.

7. Genetics.

MR. MUNZ

A non-laboratory course covering modern developments in the study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems and discussions. Prerequisite: one year of biological work. Second semester, *I*. Fee, \$3.00.

8. Bionomics.

MR. HILTON

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to those who have had a year of biological work. May be taken with Zoology D131 for three hours. Second semester. 2 units. *WF, I*. (*Omitted in 1936-1937*).

BOTANY**Field Botany**

MR. MUNZ

An elementary non-technical course in local flora, with much field work. No prerequisite. Second semester. 2 units. Class, *II*; laboratory, *F, 1:15-4:10*. Laboratory fee, \$3.00.

9. Plant Physiology.

MR. MUNZ

A study of the physics and chemistry of plant-life, discussing nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching of biology, and for botany majors. Prerequisite: Biology B2b. First semester. Class, *WF, I*; laboratory, *W, 1:15-4:10*. Laboratory fee, \$8.00. Breakage deposit, \$5.00.

10. Mycology.

MR. MUNZ

A brief survey of the fungi, with particular reference to those forms which are economically important. Second semester. *A*. Class, 1 hour, laboratory and field work, 2 periods. Laboratory fee, \$7.00. (*Omitted in 1936-1937*).

D125a, D125b. Taxonomy.

MR. MUN

Study of our local flora and more common cultivated ornamentals. Principles and methods of classification and taxonomic work. Much field work with trips to desert, mountain and shore for study of plants in their native conditions. Prerequisite: Biology B2b. First semester, Class, *WF, III*; laboratory, *M, 1:15-4:10*. Second semester, Class, *F, III*; laboratory, *MW, 1:15-4:10*. Laboratory fee, \$7.00 each semester. Alternates with D127. (*Omitted in 1936-1937*).

D127a, D127b. Anatomy and Comparative Morphology of Green Plants.

MR. MUN

The anatomy with special reference to vascular tissues from an evolutionary point of view. Morphology covering life-historical evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Biology B2b. Class, *A.*, laboratory, *M, 1:15-4:10*. Laboratory fee, \$7.00 each semester. Alternates with D125.

D131. Botanical Problems.

MR. MU

Special work, largely individual, and primarily for majors in the department. Each semester. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. Laboratory fee, \$2.00 per unit of credit.

ZOOLOGY**B3a, B3b. Physiology.**

MISS CLAYT

The functions of animals, with special reference to the human body. Prerequisite: Biology A1. Class periods, *MF, I*; laboratory, *F 1:15-4:10*. Laboratory fee, \$6.00 each semester.

C105. Human Anatomy.

MISS CLAYT

A course designed to meet the requirements of majors in physical education. Prerequisite: Biology A1 and Zoology B3. First semester. Class, *W, I*; laboratory, *MW, 1:15-4:10*. Laboratory fee, \$6.00.

C115. Comparative Anatomy.

MISS CLAYT

A study of the structure of vertebrates. Prerequisite: Biology B2a. Second semester. Four units. Class, *TTh, II*; laboratory, *T, 1:15-4:10* and three hours to be arranged. Laboratory fee, \$8.00.

C117. Embryology.

MR. HIL

A study of early development and the formation of organs, with especial reference to vertebrates. Prerequisite: Biology B2a. Second semester. Four units. Class, *TTh, II*; laboratory, *1:15-4:10* and three hours to be arranged. Laboratory fee, \$8.00.

C118. Entomology.

MR. HIL

A general course in the structure and classification of insects. Each student makes his own collection for identification.

study. Prerequisite: Biology B2. Second semester. Class, *T, VI*; laboratory, *A*. Laboratory fee, \$6.00.

13. Histology.

MR. HILTON

The microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology B3 or Biology B2. First semester. Class, *T, IV*. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$8.00. (*Omitted in 1936-1937*).

14. Neurology.

MR. HILTON

A general consideration of the structure and functions of the nervous system and sense organs chiefly of vertebrates. Prerequisite: Zoology D113. Second semester. Class *T, IV*. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$6.00. (*Omitted in 1936-1937*).

1. Zoological Literature.

MR. HILTON

Reviews of important contributions in all fields of recent Zoological literature. Open to Juniors and Seniors. Second semester. May be repeated for credit. 1 unit. *F, I*. (*Omitted in 1936-1937*).

5. Zoological Problems.

MR. HILTON and MISS CLAYTON

This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Anatomy or Embryology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Either semester. 2 to 3 units. *A*. May be repeated for credit. Laboratory fee, \$2.00 per unit.

CHEMISTRY

NON-TECHNICAL COURSES

A1b. A Survey of Chemical Science.

MR. ROBINSON

For students who do not have in mind a scientific career, but wish to gain some knowledge of the physical sciences as part of general education. By confining the scope of study to one field, effort is made to give the student satisfactory depth of understanding of scientific method and the philosophy of science. Emphasis is laid on the place of chemistry in human affairs. No laboratory work is required. *V*. Fee, \$2.00 each semester to defray expenses of lecture demonstrations.

a-C114b. Nutrition and Foods.

MISS SMITH

A survey of the methods used and the results obtained in investigations of dietetic requirements, and of the nutritive value of foods. Practical use of available information is stressed. No prerequisites. 2 units. *TTh, II*.

FOUNDATION TRAINING FOR SCIENCE STUDENTS

Note: Students who want only one year of chemistry, and whom qualitative analysis is not important should register in B4. Those who expect to take more than one year of chemistry, especially pre-medical students and those majoring in the department, are advised to follow the two-year program consisting of B4 and C104. Without designating the several "branches" of chemistry as separate courses, this program presents in successive sequence the elementary fundamentals of theoretical and physical chemistry, inorganic chemistry, qualitative and quantitative analysis, and organic chemistry. Considerable flexibility will be permitted in adjusting this program to the needs of each student and in admitting to the second year work students transferred from other colleges, but a grade of C or higher in first year work will be required for admission to the second year course.

B3a-B3b. Inorganic and Elementary Theoretical Chemistry

THE ST

For those who are planning further work in chemistry or in other scientific fields. Attention is given to the philosophy of the scientific method and to the significance of scientific developments in human affairs, as well as to the more technical aspects of the science of chemistry. Special provision is made for students who have not had secondary school chemistry. 4 units. Class, *IV*; laboratory, *T* or *W*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

B4a-B4b. First Year Foundation Chemistry

THE S

See Note above. 5 units. Class, *IV*; same work as B3. Laboratory, 2 periods per week, includes special conferences and practice in qualitative analysis. *Th* and *F*, 1:15-4:10. Laboratory fee, \$10.00 each semester.

B6a, B6b. Analytical Chemistry.

MR. LEIGH

Studies in the principles of chemical behavior and in stoichiometric problems. Laboratory work in systematic qualitative analysis of anions and cations, and in the simpler volumetric and gravimetric methods of analysis. Prerequisite: Chemistry B4 or its equivalent. Class, *S*, *II*; laboratory, *WF*, 1:15-4:10. Laboratory fee, \$10.00 each semester.

C104a-C104b. Advanced Foundation Chemistry.

THE

A continuation of B4. Physical-chemical fundamentals are surveyed and applied especially in the study of carbon compounds (organic chemistry) and analytical and synthetic methods. Constant attention is given to applications in all fields of science and industry. Prerequisite: At least one year of college chemistry.

(including laboratory work) in which a grade of C or better was earned. 4 units. Class, *VII*; laboratory *T* or *W*, 1:15-4:10. Laboratory fee, \$6.00 each semester. (After 1936-7, this will be a 5-unit course. There will be two laboratory periods, and the laboratory work will include quantitative analysis.)

ADVANCED COURSES FOR STUDENTS CONCENTRATING
IN CHEMISTRY AND BIOCHEMICAL SCIENCES

5a-D115b. Biological Chemistry.

MISS SMITH

The chemistry and physical chemistry of materials important in plant and animal organisms, and chemical aspects of the life processes of organisms. Most of the laboratory experiments employ quantitative technic. Prerequisite: General, analytical and organic chemistry. Class, *WF, III*; laboratory, *F*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

9a, D119b. Physical Chemistry.

MR. LEIGHTON

A general review of the fundamental physico-chemical concepts and principles, with numerous illustrative problems, and laboratory practice in physico-chemical measurements. Prerequisite: For the first semester, a C course in either chemistry or physics; for the second semester, differential and integral calculus are also required. Class, *TTh, VI*; laboratory, *M*, 1:15-4:10. Laboratory fee, \$8.00 each semester.

1a, D121b. Chemistry Conference.

THE STAFF

Oral or written reports by students, on material found in current chemical literature; discussions of research methods, the trend of present-day research, and recent developments in theoretical and applied chemistry. Each semester. One unit. *A*. May be repeated for credit.

1a, D151b. Methods in Chemistry.

THE STAFF

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in special analytical methods, physical chemistry, organic syntheses, or biological chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of such courses, and written reports are required. Prerequisites: Chemistry B6, C110 and consent of instructor. 2 or 3 units. *A*. Each semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used.

(a, D201b. Research in Chemistry.

THE STAFF

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of problems suited to their experience, in physical, analytical, organic or

biological chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. units. *A.* Each semester. May be repeated for credit. Low fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used.

CLASSICS

GREEK

B1a-B1b. Elementary.

MR. RO

First lessons; relation to modern Greek and to English scientific vocabulary; selected short passages from Greek literature. Book I of Homer's *Iliad*. *XI.* (*Omitted in 1936-1937*).

C101a, C101b. Selections from Greek Literature.

MR. RO

Two sequences of readings are offered in alternate years. Herodotus, Plato, Homer, Greek comedy and tragedy, the New Testament. Studies in morphology and syntax are regular features of the work. The course may be repeated for credit in successive years. *IX.*

LATIN

A1a-A1b. Elementary.

MR. RO

An introductory course in the rudiments of the Latin language with emphasis upon the relation of Latin to English and to the other Romanic languages. *VII.* (*Omitted in 1936-1937*).

B3a-B3b. Cicero, Pliny and Horace.

MR. RO

Cicero, *De Senectute*; Pliny, *Selected Letters*; study of the life and times of the late Roman republic and early empire. Horace, *Odes and Epodes*; philosophy, history and mythology as reflected in the poems of Horace; study of the metrical forms of Horace and the influence of the Greek lyric poets. *IV.*

C105a-C105b. Composition.

MR. RO

Review of Latin grammar; translation of sentences and connected discourse into Latin according to the needs of the course. Lectures on word-formation and syntax. This course may be re-elected with credit and is required of students majoring in Latin. *A.* One unit.

C106a, C106b. Masterpieces of Greek and Roman Literature in Translation.

MR. RO

Extensive readings in the literatures of Greece and Rome through the medium of English translation as a basis for the study of classical civilization and culture. No knowledge of Latin and Greek languages is required. *II.*

C107a, C107b. Roman Comedy and Elegy.

MR. RO

Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Tibullus, Propertius and Ovid. *I.*

9a, D109b. Roman History and Biography. MR. ROBBINS
 Two sequences of readings are offered in alternate years: a, Roman philosophy, satire, and pastoral poetry; b, Roman historical and political antiquities. The course may be repeated for credit in successive years. *XIII*. In 1936-1937 sequence a.

ECONOMICS

A5b. Accounting. MR. NESS
 study in theory and method, developing from the balance sheet the fundamental principles underlying alike the construction and interpretation of financial records. *MF, VII*, and *T* or *V*, 1:15-4:05.

B11b. Principles of Economics. MR. DUNCAN
 The basic course in the general principles of Economics, including current problems. Required for students expecting to emphasize the study of Economics, and prerequisite for upper division courses in Economics. Not open to Freshmen. Economics A5 is prerequisite for Economics B11. Two sections. *I, III*.

C. Money and Banking. MR. NESS
 Principles of money, credit, and banking interpreted in the light of the institutions and financial organization designed to supply society with adequate media of exchange. First semester. *VI*.

D. Public Finance. MR. DUNCAN
 Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. Second semester. *II*.

E. Agricultural Economics. MR. BURGESS
 study of the application of economic principles to certain problems of agriculture, such as land tenure, transport, labor, marketing and prices. First semester, *III*.

F. Corporation Finance. MR. DUNCAN
 Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including the study of cooperative organizations. Prerequisite: Economics A5, or equivalent training in Accounting. First semester.

G. Public Utility Economics. MR. NESS
 historical and analytical study of public utility problems in the United States. Illustrative material is drawn from the railway, gas and electric utilities, but particular emphasis is laid on the economics of overhead costs, the role of competition, and regulation. First semester. *V*.

COURSES OF INSTRUCTION

- D115. Principles of International Trade.** MR. NE
Principles and structure underlying international economic relations. Prerequisite: Economics C105. Second semester. *VI*.
- D117. Economic Problems of the Orient.** MR. DUNCA
A study of the economic, social and political problems of the Far East with special reference to current conditions in China. Enrolment restricted to those expecting to concentrate in Social Science and to others by special consent of instructor; previous courses in Economics not prerequisite. First semester. *VII*.
- D119. Monopolies and Trusts.** MR. BURGE
A study of the economic principles and the legal status of monopolies. Second semester. *III*.
- D252. Economic Theory.** MR. DUNCA
The special topics studied vary from year to year, and will include critical analysis of underlying economic theory and its development. Open to seniors only. Second semester. 3 units.

EDUCATION

- B3. Introduction to Education.** MR. FITZ
A course designed for those who desire an understanding of the American school system. The outstanding problems of present day education are examined and certain approaches to a solution of these problems are discussed. This course or equivalent prerequisite for Education C104, D215. First semester, *III*. Second semester. *IV*.
- C104a, C104b. History of Education.** MR. NICHOLSON
The development of educational theory and practice from the Greek period to the present, with an attempt during the second semester to make a comparison of the established systems of America and typical European countries. 3 or 4 units. *VII* and *VIII*.
- D210. Practice Teaching in Music.**
Exercises in actual teaching under direction, regular conferences with the supervisor being a feature of the work. The course open to those completing credential requirements during current year. 4 units. Each semester. *A*.
- D215. Principles of Secondary Education.** MR. FITZ
The factors and principles which underlie the theory and practice of secondary education, including the junior high school, the senior high school and the junior college. Second semester. *III*.

ENGLISH

Writing and Speech are emphasized features of all Lower Division courses. Persons who plan to concentrate in English should complete Reading List I before the beginning of the Junior year.

a-A1b. English: An Introductory Course.

THE DEPARTMENTAL STAFF

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the more important literary types; instruction and practice in writing and speech. 4 units. Prerequisite for all other departmental courses. Men: *WF, I*; section meetings at *II*. Women: *TTh, II*; section meetings at *I*.

a, B5b. Nineteenth Century Literature.

MR. HOWARD

An introduction to literary history and criticism, with intensive study of the poetry and non-narrative prose of the period and collateral reading in the novel. Upper Division students may register for the course only on the written recommendation of the instructor. *III*.

c. Types of Prose Fiction.

MR. DAVIS and MR. LINCOLN

A general survey of important works in prose fiction with emphasis upon the development and recurrence of significant phases within the type, such as tale, romance, novel. Two sections. First semester. *V*.

D. Introduction to Drama.

MR. DAVIS and MR. FRAMPTON

Great plays of various periods from the classic Greek to the present day; as extensive reading as time will permit. Two sections. Second semester. *V*.

1. Character Presentation in Dramatic Literature.

VIRGINIA PRINCEHOUSE ALLEN

The theory and technique of character presentation as found in selected plays. The course looks toward character-interpretation through the actor's art. Permission of the instructor must be secured before registration for this course. Second semester. *VI*.

a, B21b. English Composition. MR. HOWARD, MR. FRAMPTON,
MR. LINCOLN and MR. MCCULLEY

The fundamentals of effective expression in writing, with considerable attention to the composition of the "course paper." To those who have mastered fundamentals opportunity will be given for practice in such special forms as narrative and essay. First semester: two sections of B21a; second semester: one section of B21a, one of B21b. *IV*.

ADVANCED COURSES

A substantial acquaintance with the books of Reading List I is most desirable as a preliminary to registration in Upper Division courses.

1a, C101b. The Renaissance in England. MR. STRATHMANN

English literature of the Renaissance, dramatic and nondramatic,

Spenser, Shakespeare, Bacon and Milton being main figures and the enduring contributions of the Renaissance in thought, form and materials being a major topic. *IV*.

C103a, C103b. Literature of the Eighteenth Century.

MR. MC CULLY

The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginning of the English novel; the spread of the romantic movement in England and on the Continent. *III*.

C105a, C105b. American Literature.

MR. LINCOLN

The literature of the United States, with emphasis on its expression of our national characteristics and sentiments. *VI*.

C111. The Short Story.

MR. FRAMPTON

Practice in supervised writing of short-stories. Study of significant short-stories. First semester. *V*.

D121a, D121b. Creative Writing.

MR. LINCOLN and MR. FRAMPTON

Supervised practice in all forms of creative writing. Study of matters and fields of literary interest. D121b may be repeated for credit. *T, X and XII, and F, IX*.

D123. Chaucer.

MR. DAVIDSON

A study of Chaucer as the outstanding narrative and dramatic poet of the transition from the medieval to the modern world. First semester. *VI*.

D124. The English Language.

MR. STRATHMORE

A survey of the English language from Chaucer to the present day with emphasis on the development of vocabulary, grammar and syntax. Critical theories of language in relation to literature will be given due attention. The course is recommended especially to prospective teachers of English. Second semester.

D125a, D125b. Shakespeare.

MR. FRAMPTON

A study of the principal plays. *VII*.

D127. Literary Criticism.

MR. FRAMPTON

An examination of the bases of literary criticism; studies of outstanding modern critics; frequent practice in supervised critical writing. First semester. *I*.

D201a, D201b. The Great Victorians and their Successors.

MR. MC CULLEY and MR. HOWARD

Recent literature in English considered as an outcome of nineteenth century backgrounds and main currents of modern thought. The first semester of the course comes to a focus

Arnold and Meredith; the second culminates in the literary activities of our own day. Prerequisite: English B5 or an equivalent. *V*.

FRENCH

See Romance Languages and Literatures.

GEOGRAPHY

Courses in this field are available at Scripps College.

GEOLOGY

B1b. Introductory Geology. MR. WOODFORD

Dynamic, structural and historical geology. Prerequisite: High school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Class, *WF, I*; laboratory, *W* or *Th, 1:15-4:15*. Laboratory fee, \$3.00 each semester.

Determinative Mineralogy. MR. WOODFORD

Prerequisite: High school chemistry or equivalent. First semester. Two laboratory periods. 2 units. *A*. Laboratory fee, \$4.00.

5. Crystallography and Crystal Structure. MR. WOODFORD

Must be preceded or accompanied by Geology B3, unless taken upon the written recommendation of the Department of Chemistry or of Physics. Crystallography 2 units; crystal structure unit. First semester, 2 or 3 units. *V*.

6. Petrology. MR. WOODFORD

The study of rocks without the microscope. Prerequisite: Geology B1a, B3 and C105. Second semester. One class and two laboratory periods. *A*. Laboratory fee, \$4.00.

7a-C107b. Invertebrate Paleontology. MR. WOODFORD

Prerequisite: Geology B1b; recommended preparation: Biology 2a. Two class and one laboratory periods, first semester; one class and two laboratory periods, second semester. *A*. Laboratory fee, \$6.00 each semester. Given alternate years. (*Omitted 1936-1937*).

4. Field Geology. MR. WOODFORD

Prerequisite: Geology B1b, C110. A summer course of three or six weeks. 3 or 6 units. *A*.

1-D112. Petrography. MR. WOODFORD

Birefringence and double refraction; the optical indicatrix; study of minerals and rocks with the petrographic microscope. Prerequisite: Geology C105. Two class and one laboratory periods, first semester; one class and two laboratory periods, second semester. *A*. Laboratory fee, \$5.00 first semester; \$8.00 second semester.

D130, D131. Geological Investigation and Research.

MR. WOODFO

3 units. *A*. Laboratory fee, \$4.00 each semester.

GERMAN

A1a-A1b. Elementary German.

MISS WAGNER and MR. BAUMA

The acquirement of a small working vocabulary. Constant training, and as much practice in speaking as time permits. Daily exercises in reading and writing. The essentials of grammar. Etymology. Comment on German life and literature. *III, IV*.

A-B. Elementary and Advanced German.

MISS WAG

Two years in one. 6 units. *V, VI*.

B3a-B3b. Advanced German.

MR. BAUMA

More advanced German language study through intensive reading and discussion of selected German works, with considerable extended reading in the field of the student's individual interests. Continued practice in German conversation. Some attention to an understanding of the cultural life of Germany, Austria, Switzerland. Prerequisite: German A1 or an equivalent. *V*.

C109a, C109b. German Literature of the Nineteenth Century.

MR. BAUMANN and MISS WAG

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: German B3 or equivalent. First semester, three or four units. *IX* and *X*. Second semester, three units. *IX*. (*Omitted 1936-1937*).

C113a, C113b. German Classics of the Eighteenth Century.

MR. BAUMANN and MISS WAG

A study of the outstanding works and personalities of the period with particular attention to the social and political life of the time. The fourth hour emphasizes conversation and composition, using scientific material as well as every day language. 4 units. *I* and *A*.

D118a, D118b. Modern German Literature.

MR. BAUM

The development of German Literature from 1880 to the present with reference to the political and social changes during this period. *A*.

HISTORY

A1a-A1b. The Development of Western Civilization.

MR. PITMAN, MR. COOKE, MR. KE

The evolution of civilization in Europe from antiquity to the present, and its spread throughout the world. Attention i

to the political, religious, intellectual, and economic forces of change. The aim is to lay a foundation for the understanding of contemporary problems. This course or its equivalent is normally a prerequisite for advanced courses in history. Emphasis in Mr. Cooke's section (*VI*) is on modern history. Three sections. *II*, Mr. Pitman and Mr. Kemble; *VI*, Mr. Cooke.

B9b. North America since 1763.

MR. COOKE

The development of political, economic and social life in the United States, with attention to such agrarian, industrial, and political forces as have transcended national boundaries. *II*.

2. Economic History of Europe.

MR. NESS

An historical study of economic life in Europe, with special emphasis upon the concept of an economy and the rise of such modern economic institutions as private property and contract, the profit motive, the machine technique, etc. The patterns of economic thought and activity transcend the territorial limits of Europe. Second semester. *V*.

7a-C107b. English History.

MR. PITMAN

The development of the main features of civilization in England and the British Empire. Emphasis is laid upon the evolution of religious, intellectual, and economic forms as well as the growth of political institutions. Thus the course is largely a study of the cultural heritage of America. First semester, Great Britain to 1660; second semester, Great Britain and the Empire since 1660. *II*.

9a, C109b. History and Cartography of Spanish America and the North Pacific.

MR. KEMBLE

A study of the development of geographical knowledge of Spanish America, particularly of the North Pacific area, and of the spread of Spanish institutions and culture and the emergence of Spanish American Republics. Special facilities for this work are afforded by the Mason Collection on California and Western American History and the Wagner Collection of maps and books. *XI*.

7a, C117b. The History of the Greeks and Romans.

MR. ROBBINS

A study of Grecian civilization from its establishment until the Roman conquest, followed by a study of Rome from the founding of the Eternal City until the reign of Justinian. Emphasis is placed upon the civilization and literature of the Greeks and Romans. *V*.

7a, D113b. Modern European History.

MR. COOKE

Following an introductory survey of the eighteenth century currents of thought, a study is made of the French Revolution and the Napoleonic period. The development of continental European

nations is traced as is the confederation of Europe. The spread of republicanism, of social unrest, of liberal ideas of social organization, and of culture. In the second semester the emphasis is upon international relations, the World War, the League of Nations and upon revolutionary changes of the last two decades. *VII.*

RD113a, RD113b. Reading in Modern European History.

MR. COO

Reading in contemporary European biography for honor students and majors in social science to accompany the curriculum work in History D113a, D113b. Weekly conferences. *A.*

D119. American Diplomatic History.

MR. COO

The development of American foreign policy as revealed in the relations of the United States with European, Asiatic and other American nations, with emphasis upon recent times. Second semester. *I. (Omitted in 1936-1937).*

RD119. Reading in American Diplomatic History. *(Omitted in 1936-1937).*

MR. COO

D125a, D125b. Economic and Social History of the United States.

MR. PIT

The development of the economic and social structure of the United States and, in relation to this development, a study of patterns of thought and behavior, and of expression in the arts in successive periods of American life. Lectures and student reports on significant leaders and movements. *TTh., 3:15-4:00.*

RD125a, RD125b. Reading in Economic and Social History of the United States.

MR. PIT

A course of reading for honors students concentrating in history to accompany History D125a, D125b. Weekly conferences.

ITALIAN

See Romance Language and Literature.

MATHEMATICS

A1a, A1b. Introduction to College Mathematics.

DEPARTMENTAL

The objective of this course is to prepare students for work in calculus the following year. The subject matter covered in this course will be adjusted to meet the needs of particular students by their previous preparation. Prerequisite to further work in the department, except Math. B29. To be offered at least once in each period as the registrar calls for. *IV, V and VI.*

Statistical Methods.

MR. JAEGER

Graphs, averages, frequency distribution, probability, correlation, index numbers. Second semester. *MW, III*; laboratory, *F, 1:15-4:10*. Laboratory fee \$1.00.

1. Surveying.

MR. TAYLOR

Use and adjustment of surveying instruments. Methods of making and mapping surveys for various purposes. Given during summer session at the Bluff Lake Camp of Pomona College. Prerequisite: Plane trigonometry. 6 units.

a, B15b. Differential and Integral Calculus.

MR. TAYLOR and MR. HAMILTON

Continuation of Mathematics A1. *III and IV*.

9a, C119b. Higher Algebra and Theory of Equations.

MR. JAEGER

Theory and solution of higher algebraic equations and other advanced topics in algebra. *II*.

0a-D120b. Differential Equations.

MR. JAEGER

A general course in the theory and solution of differential equations. *I*.

1a, D121b. Advanced Calculus.

MR. TAYLOR

Some of the subjects studied are partial differentiation, elliptic integrals, line, surface, and volume integrals, Green's Theorem, Stokes' Theorem. (*A. D121b Omitted 1936-1937*).

a, D230b. Selected Topics in Higher Mathematics.

MR. JAEGER and MR. TAYLOR

From time to time work in complex variables, projective geometry, differential geometry and number theory will be given as the demand requires. 1 to 3 units. *A. (Omitted 1936-1937)*.

GRAPHICS

A7b. Engineering Drawing.

MR. TAYLOR and MR. HAMILTON

A beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. 1 or 2 units. *TTh or F. 1:15-4:10*. Laboratory fee, \$1.00 per unit.

39b. Engineering Drawing.

MR. TAYLOR and MR. HAMILTON

A more advanced course in mechanical drawing and descriptive geometry. Treats of orthographic and perspective projections, machine and structural details. Prerequisite: Mathematics A7.

COURSES OF INSTRUCTION

or its equivalent. 1 or 2 units. *TTh* or *F.* 1:15-4:10. Laboratory fee, \$2.00 per unit.

C112a, C112b. Engineering Drawing.

MR. TAYLOR and MR. HAMILTON

Design of cams, gears, machine parts and simple trusses. units. *TTh* or *F.* 1:15-4:10. Laboratory fee, \$2.00 per unit.

MILITARY SCIENCE

The College maintains an Infantry Unit, Senior Division, of Reserve Officers' Training Corps, established under the National Defense Act for the general purpose of qualifying students for positions of leadership in time of National emergency. The course includes classroom instruction covering the basic technical knowledge required for appointment as Commissioned Officers of United States Army and military drills designed to improve posture and physical coordination of the student. Special emphasis is placed upon the development of qualities of leadership, and poise acquired by the student and his practical experience in the of command may be applied in many walks of life. Students who successfully complete the four years course will be tendered commissions as second lieutenants in the Officers' Reserve Corps.

The instructors in the department are Officers of the Regular Army detailed for duty at the college by the War Department. The equipment provided includes a set of instruments for a 28 pound band and an ample supply of weapons including rifles, automatic rifles, machine guns, a one-pounder gun and Stokes mortar, all of which are available for the use of students without cost. All expenses of ammunition for target practice are also furnished without charge.

Students who have received training in a Junior R.O.T.C. may be given advanced standing on the basis of two years Junior R.O.T.C. for one year Senior R.O.T.C. up to the limit of 1½ years of Senior unit training. Application for Advanced Standing must be made when registering and must be accompanied by a recommendation from the Professor of Military Science and Tactics at the school which the student attended.

The four year course is divided into the basic course, consisting of the first two years, and the Advanced course consisting of the work of the third and fourth years. Enrollment in either course is voluntary but, when a student has elected either the basic course or the advanced course, completion of the course elected becomes a prerequisite for graduation.

The basic course is open to all physically fit male students who are American citizens. Enrollment does not involve any obligation for Military service nor does it interfere with the student's participation in sports by the student. Uniforms for the basic course are furnished without charge to the student except in cases of loss of, or damage to the articles so issued due to negligence on the part of the student.

Enrollment in the Advanced Course is limited to selected students who have completed the basic course or its equivalent and enter into an agreement to attend one summer instruction camp a period of six weeks. Attendance at this camp is expected during the summer between the Junior and Senior years. In consideration of this agreement students receive, from the government, cash advances equivalent to a scholarship of about \$100.00 per year. Necessary expenses in connection with the summer camp, including transportation to and from camp, are provided by the government.

A1b. First Year Basic Course.

MAJOR STIVERS

National Defense Act and the R.O.T.C.; military courtesy and discipline; military hygiene and first aid; map reading; rifle marksmanship; close and extended order drill and ceremonies. $\frac{1}{2}$ units. 2 sections. Class *M I* and *III*. Drill *M. 1:15-3:05*.

B3b. Second Year Basic Course.

MAJOR CHAMNESS

Automatic rifle; musketry; scouting and patrolling; combat principles of the rifle squad; drill and command. $1\frac{1}{2}$ units. Class *VI* or *F IX*. Drill *M. 1:15-3:05*.

5a-C105b. First Year, Advanced Course. MAJOR CHAMNESS

Military engineering and camouflage; interpretation of aerial photographs; machine guns; 37 m/m gun and trench mortar; combat principles of the rifle section and platoon; automatic pistol; drill and command. $3\frac{1}{2}$ units. Class *III* or *VII*. Drill *M. 1:15-3:05*.

7a-D107b. Second Year Advanced Course. MAJOR STIVERS

Infantry weapons; tanks; military law; officers reserve corps regulations; military history; military policy of the United States; military correspondence; military administration; combat principles of the rifle and machine gun companies and howitzer platoon; drill and command to qualify the student to perform the duties of platoon, company and battalion commanders. $3\frac{1}{2}$ units. 2 sections *II* or *IV*. Drill *M. 1:15-3:05*.

MUSIC

THEORY AND APPRECIATION

A1b. Elementary Harmony.

MR. ALLEN

Study of intervals, scales, tonal magnetism, primary triads, dominant seventh and ninth chords, and all non-chordal tones. Harmonization of melodies. Prerequisite: Elementary knowledge of the pianoforte. *III*.

A2b. Sight Singing and Dictation.

MR. ALLEN and MR. LYMAN

Training in sight singing; melodic and rhythmic dictation with

a view to discriminate listening. Two periods per week. 1 unit.
MW, V.

B3a-B3b. Appreciation of Music. MR. SUTHERLAND

A course designed to stimulate the enjoyment of music by means of the development of intelligent listening; planned to give a general idea of the elements, structural principles, and aesthetic content of music. Not designed for students majoring in music. 2 units. *MW, XI.*

B4a-B4b. History of Music. MR. SUTHERLAND

A general survey of the history of occidental music from the beginning of the Christian era. Prerequisite: Music A1. 2 units.
TTh, IV.

B5a-B5b. Advanced Harmony. MR. ALLEN

Secondary harmonies. Modulation and chromatically altered chords. Keyboard drill and analysis. Creative work is encouraged from the beginning. Harmonization conducted on melodic basis. Prerequisite: Music A1 or equivalent. *VII.*

B6a-B6b. Advanced Dictation. MR. ALLEN

A continuation of A2a-A2b, employing triads, seventh chords and modulation. Dictation in two, three, and four part harmony. To be taken simultaneously with B5 by music majors. Prerequisite A2. 2 units. *MF, IX.*

C107a-C107b. Counterpoint. MR. ALLEN

A study of Simple Counterpoint in the five species with an aim to learn the art of free part-writing. Creative work in various contrapuntal forms, as the Invention and the Suite, will be undertaken during the course. Prerequisite: Music B5. *VI.*

C109. Form and Analysis. MR. SUTHERLAND

Designed to lead to a clear understanding of the principles upon which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music B5. 2 units. Offered in alternate years. First semester. *TTh, II.*

C110a-C110b. Church Music. MR. CLOKE

The ancient forms of worship, with their traditional music will be studied and presented in public. The liturgies considered will be the Roman, Lutheran and Anglican. The music will be mainly plainsong and polyphonic. Should be of interest to students of History and Religion as well as musicians. Two periods per week. One unit. *XII.*

C111a-C111b. The Choral Literatures of the Church.

MR. CLOKE
A survey of church music, ancient and modern, with a view to its adaptability to present day church usage, both liturgical and nonliturgical. Two periods per week. One unit. *A.*

C113b. Orchestration and Instrumentation.

MR. BLANCHARD

study of the instruments of the modern orchestra; their history, technical limitations and use in various groups; study of scores and the technique of scoring; the theory and practice of conducting. This course is especially designed to meet the needs of a student desiring the state certificate. Prerequisite, Music B5. *I.*

D108b. Free Composition.

MR. ALLEN

Advanced original work in the shorter free styles. Text—Goettius "Homophonic Forms." Prerequisite: Music C107. *A.*

Public School Music Methods.

MR. COLEMAN

Selection, presentation and interpretation of the song. Methods of developing sight-singing and other technical problems. A study of child psychology. Teaching plans with a bibliography of material. First semester. 2 units. *A.*

APPLIED MUSIC

Class Instruction (No special fees).

7b. Choral Singing.

MR. LYMAN

The study and production of choral music, especial attention being given to diction, phrasing, content of the works dealt with, and an understanding of musicianship as applied to choral singing. The Class will be organized as the College Choir and as a singing group. Students will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays and Thursdays from 12:30 to 12:50. 1 unit. The course may be repeated for credit.

8b. Ensemble Playing.

MR. BLANCHARD

The principles of ensemble playing approached through practice, with emphasis on accuracy in technic, intonation, rhythm and quality; practice in conducting from complete and condensed conductor's scores. Three hours of attendance weekly; one-half hour credit. The course may be repeated for credit. *A.*

Individual Instruction (Special fees charged).

A student in applied music under individual instruction will be allowed for credit toward the Bachelor of Arts degree only upon the written recommendation of the Chairman of an Examination Committee and the Head of the Department, and upon the subsequent favorable action of the Classification Committee. This recommendation is based upon the degree of ability and advancement shown in Proficiency Tests. In addition the work in applied music must be accompanied or preceded by A1 or A2. A second half-hour of credit is possible when the applied course is accompanied or preceded by B5 or B6. A minimum of two half-hour credits weekly is required for which two hours' credit is allowed. One-half hour credit is given for work below "B" (Sophomore) grade.

(As many Freshmen are able to pass the prerequisite tests allowing them to take "B" grade work, students of all classes are advised to confer with the Head of the Department regarding eligibility for credit.) Not more than 12 hours' credit in applied music may be counted toward the Bachelor of Arts degree unless the student is able to present a total of 8 hours of "D" (Senior) grade work in any subject. In this case 16 hours' credit may be allowed. Proficiency tests are required only of students desiring credit toward the Bachelor of Arts degree.

Voice

MR. LYMAN, MISS STEVENSON

Organ

MR. CLOKE

Piano

MR. OLIVE, MR. SUTHERLAND

Violin

MR. FISKE

Orchestral Instruments

MR. BLANCHARD

Lessons on other instruments may be arranged for private instruction through the office of the Music Department.

III. Group Instruction (Special fees charged).

Class lessons for beginning students are offered at special rates. A registration of four persons being set as the class minimum. For this work no collegiate credit is given. Each class meets once a week for an hour.

ORIENTAL AFFAIRS

With the appointment of Mr. Charles B. Fahs as Instructor in Oriental Affairs, the following courses will be available for election by students for 1936-37. For convenience of reference all other courses dealing specifically with Oriental Affairs are listed below. Students should register for these courses under the department number given in parenthesis.

C102a-C102b (Oriental Languages C102a-C102b). An

Elementary Course in Japanese Language.

MR. FAHS

VI.

C106 (History C106). Development of Oriental Culture and Civilization.

MR. FAHS

Second semester. V.

C109 (Political Science C109). Political Problems of Eastern Asia.

MR. FAHS

2 hrs. Second Semester. WF, III, with a third hour at the pleasure of the instructor.

C126 (Philosophy C126). Oriental Philosophy.

MR. IRVING

Second semester. VII.

7 (Economics D117). Economic Problems of the Orient.

MR. DUNCAN

First semester. *VII.*

0 (History D120). History of Far Eastern

Diplomacy.

MR. FAHS

Second semester. *I.*

1 (Political Science D121). The Government of

Japan.

MR. FAHS

First semester. *I.*

PHILOSOPHY

Courses B25 and B27 are general introductions to philosophy. They are recommended both for students who wish a general acquaintance with the subject, and for those who wish to lay a foundation for advanced work.

One year's work in Philosophy or the permission of the instructor required for admission to D courses.

Introduction to Logic.

MR. IREDELL

A study of the elements of deductive and inductive reasoning with special emphasis upon the problems of definition, the nature and use of scientific hypotheses, probability, and deductive and inductive fallacies. First semester. *IV.*

B25b. History of Philosophy.

MR. LEE

An introduction to philosophy through the study at first hand of the works of significant and representative philosophers. The selection will include some of the following: Plato, Aristotle, Cicero, Augustine, Descartes, Spinoza, von Leibniz, Locke, Kant, Hegel, Schopenhauer. Approximately six thinkers will be studied during the year. This is not a survey course, although the main outlines of the historical development will be traced. *V.*

B27b. Problems of Philosophy.

MR. IREDELL

An introductory consideration of the meaning and method of philosophy, an examination of the thought problems which arise in astronomy, geology, physics, biology and psychology, and a review of some of the main philosophic estimates of life.

The Nineteenth Century.

MR. LEE

An account of the main currents of nineteenth century European thought: Liberalism and individualism, utilitarianism, positivism, evolution, historicism. Some account will be given of their origins, and of the reaction against them by the English idealists and by Nietzsche, late in the century. Prerequisite: One course in philosophy. First semester. *I.*

C124. Ethics.

MR. LE

An examination of the central problems of ethics, including the good and the right, freedom, the concept of rational living, the individual and society, absolute and relative factors, human nature. A course primarily for upperclassmen; some previous work in philosophy is recommended, though not required. Second semester. *I*.

C126. Oriental Philosophy.

MR. IREDEL

This course is designed to provide the student with a general background of oriental thought as a basis for further study of oriental life and culture. An attempt will be made to gain an appreciation of the thought life of the Orient through a study of some of the more important thinkers and schools of oriental philosophy and through a comparison of oriental and western philosophical views and cultural ideals. Second semester. *V*.

D132. Philosophy of State and Law.

(Omitted in 1936-1937).

D133. The Philosophy of Science.

MR. L

A consideration of such topics as the relation of philosophy to the sciences, fact and observation, conceptions of nature, hypotheses and induction, natural law, the meaning of concepts. Prerequisite: Philosophy B25 or B27, or such previous work as will provide an equivalent grasp of the basic problems of philosophy. First semester. *II*.

D134. Contemporary Philosophy.

MR. IREDEL

A study of contemporary philosophic thought through some of the main modern thinkers with special reference to the dominant ideas of the civilization of today. Prerequisite: Philosophy B25 or B27, or such previous work as will provide an equivalent grasp of the basic problems of philosophy. Second semester.

D135. Contemporary Philosophy of Education.

MR. IREDEL

A consideration of educational philosophies at work in the world today, together with a critical analysis of the chief philosophical problems involved. The course will include a brief survey of some of the current attempts to reform education in this country and abroad, and will consider the contributions of some of the outstanding contemporary philosophical thinkers to the problems of education. First semester. *III*.

D136. The Philosophy of Plato.

MR. I

The class will study the philosophy of Plato in detail, reading and discussing a number of the Dialogues in the course of the semester. Prerequisite: one year's work in philosophy, preferably Philosophy B25 or B27. Second semester. *XI*.

PHYSICAL EDUCATION

Students who wish to prepare to teach physical education in the schools may qualify for the general credential with a major in physical education by completing a program of courses in Pomona College, followed by a year of graduate work in Claremont Colleges.

MEN AND WOMEN

A student may count toward graduation not more than one semester in "sports" and "activities" during his Lower Division years, and not more than one-half-hour per semester during his Upper Division years.

Principles of Healthful Living.

MR. NIXON and MISS KELLEY

Introduction to general hygiene dealing with the meaning and significance of physical, mental, and social health as related to the individual and to society. Important phases of our National Health problem. Constructive methods of promoting the health of the individual. Defensive hygiene. Special health problems of college students and young people generally. Elective either semester. 2 units. *TTh, VI*. Men, Mr. Nixon; women, Miss Kelley.

Community Health.

MISS KELLEY

Brief survey of the fields of community and public health dealing with the health of people as a group, and with the social and governmental activities which are concerned with environmental control and health promotion. Hygiene and the correlation of the total health teaching program. Second Semester. 2 units. *TTh, IV*.

Community Recreation.

MR. HEATH

Study of the organization of the school and the public playground, the types of leadership, and types of activities best suited for various age periods. Discussion of the technique of organizing the recreation center. Organization of leadership. Limited to upper division students. Second semester. 2 units. *TTh, IX*.

Nature and Function of Play.

MISS KELLEY

Biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out moral values, attitudes and judgments. First semester. 2 units. *A*.

Kinesiology.

MISS CAWTHORNE

Analysis of joint and muscular mechanisms, and their relation to problems of bodily development and efficiency. Prerequisite: Anatomy. Second semester, *I*.

Physical Deviations.

MISS CAWTHORNE

Study of the causes, prevention, and correction of physical de-

fects. Laboratory work includes methods of examination, prescription of exercises. Prerequisite: C130. First semester *I*; and laboratory *A*.

D133. Principles of Physical Education.

MR. N

Limited to Seniors preparing to teach Physical Education. Second semester. *VII*.

MEN

Students engage in programs of physical education activities selected according to individual needs as determined by medical physical examinations and tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. At the minimum requirements of the Department are good physical ability to swim, elementary skill in self defense or gymnastics, efficiency in fundamental activities, reasonable skill in at least one individual sport and in one team game.

The following physical education activities are carried on under supervision of the Department: Archery, badminton, basketball, football, boxing, corrective exercises, cross country running, golf, gymnastics, swimming, tennis, touch football, track and field athletics, volleyball, water polo, wrestling. The student receives credit in the required courses listed below by participation in activities selected in accordance with the principles set forth in the preceding paragraph.

The College program of intercollegiate athletics is an integral part of the program of Physical Education. No student is permitted to participate in the more strenuous forms of competition without a certificate from the College Physician indicating that the individual is physically fit for such participation.

A1a-A1b. Physical Education Activities.

TH

Required, Freshman year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

A2a-A2b. Gymnastic Exercises.

MR. S

Required of Freshmen not taking military. $\frac{1}{2}$ unit. *A*.

B3a-B3b. Physical Education Activities.

TH

Required, Sophomore year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

B4a-B4b. Physical Education Activities.

TH

Required of Sophomores not taking military. Sophomore year. $\frac{1}{2}$ unit. *A*.

C105a-C105b. Physical Education Activities.

TH

Required, Junior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

C107a-C107b. Physical Education Activities.

TH

Required, Senior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

D219a-D219b. Technique of Teaching Physical Education Activities.

MR. HEATH, MR. STREHLE and MR.

This course is devoted mainly to methods in teaching advanced physical activities. 2 units. *A*.

WOMEN¹

medical and physical examination is given all entering students with subsequent posture tests. Physical activities are allowed as prescribed as the result of these examinations. Participation in A-11b is required for the Freshman year. Students may have freedom of election in other activities in so far as medical and physical examinations warrant, but must include during the Freshman and Sophomore years one individual sport, one team or group sport one semester of either tap, folk, or natural dancing.

ACTIVITY

Six units of Physical Education Activities are required for graduation. One unit is credited for A11, Fundamentals, a special course organized in such a fashion as to include the basic fundamentals of physical activity. The remaining 5 units may be earned by participation in any of the following activities.

Individual Sports	Team Sports	Dancing	Gymnastics
Archery	Basketball	Rhythmics	Danish
Badminton	Baseball	Creative	Individual
Golf	Hockey	Tap	
Fielding	Speedball	Folk	
Offery	Volley Ball		
Swimming			
Tennis			

Course in Recreational Games including:

Croquet	Shuffle Board
Horseshoes	Tenniquoits
Paddle Tennis	Tether Ball
Ping Pong	

1-A11b. Fundamentals.	THE STAFF
Required, Freshman year. $\frac{1}{2}$ unit. <i>A</i> .	
2-A12b. Sports and Dancing.	THE STAFF
Required, Freshman year. $\frac{1}{2}$ to 1 unit. <i>A</i> .	
3-B13b. Fundamentals, Sports or Dancing.	THE STAFF
Required, Sophomore year, 1 unit. <i>A</i> .	
4-C115b. Fundamentals, Sports, or Dancing.	THE STAFF
Required, Junior year. $\frac{1}{2}$ unit. <i>A</i> .	
4-C117b. Fundamentals, Sports or Dancing.	THE STAFF
Required, Senior year. $\frac{1}{2}$ unit. <i>A</i> .	

THEORY

1-C119b. Methods in Coaching and Supervising	
Sports.	MISS BRISTOL
Unit. <i>A</i> .	

Students interested in camp leadership are referred to the announcement on page 73.

PHYSICS

A1a-A1b. Introduction to Physical Science.

MR. TILESTON and MR. HAY

A non-mathematical course intended for those who wish to obtain a knowledge of the fundamental facts, theories and applications of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the electron structure of matter. *V.*
\$5.00 each semester.

B2a-B2b. General Physics

MR. TILES

A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. *I.*

B4a-B4b. Physical Measurements. MR. TILESTON and ASSIST.

Quantitative laboratory work in the subjects indicated in C110 and B2a-B2b. Must accompany B2a-B2b. *W* and *Th*, 1:15-3:15. Laboratory fee, \$3.00.

C110. Slide Rule and Precision of Measurements. MR. H.

A study of the principles of precision of measurements and the application of these principles to experimental data. Each student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics B2, B4. 3 units. First semester, *A*. Fee \$3.00.

C111a-C111b. Electricity and Magnetism.

MR. TIL

A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating circuits. Prerequisite: Calculus and Physics B2, B4. 3 units.

C113a-C113b. Mechanics.

MR. F

Kinematics and dynamics of motion. Study of forces and their relation to motion. Concepts of work, power, momentum and impulse. Centers of mass, moments of inertia, products of inertia. Statics and the equilibrium of particles, rigid bodies and framed structures with special emphasis on engineering applications. Mechanics and atomic physics. Prerequisite: Calculus *VII.*

D109a-D109b. Electrical Measurements.

MR. TIL

Laboratory in electrical and electromagnetic measurements including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacitance. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics C111a-C111b or accompanying this course. 1 or 2 units. *A*. Laboratory fee \$4.00 each unit.

5a-D115b. Optics.**MR. HAUPT**

The fundamental laws of geometrical and physical optics, the wave theory of light, interference, diffraction, polarization, electromagnetic theory of light, reflection and refraction, dispersion, magneto-optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics 2, B4 and Calculus. *VI.*

7a-D117b. Optical Measurements.**MR. HAUPT**

Quantitative verification of the laws of geometrical and physical optics, interference, diffraction, polarization, dispersion and refraction, photometry and photography. Special emphasis will be given to the work in spectroscopy. Laboratory to accompany 115. 1 or 2 units. Laboratory fee, \$4.00 per unit. *Th and F, 1:15-4:15.*

9a-D200b. Modern Physics. **MR. TILESTON and MR. HAUPT**
Electromagnetic theory of radiation, the electron, properties of moving charged bodies. Kinetic theory of gases, thermionics, photoelectric effect. X-rays, spectroscopy, critical potentials, radioactivity, isotopes. 1 unit. *A.*

10. Research.**MR. TILESTON and MR. HAUPT**

The following problems are in progress in the department:

Properties of high energy ions.

Molecular constants by band spectra methods.

Majorors in the department who are properly qualified will be accepted as research associates in the study of these problems. Each semester. 1 to 3 units. *A.* Laboratory fee, \$2.00 per unit.

POLITICAL SCIENCE AND LAW**INTRODUCTORY COURSES****A1b. The Foundations of Government.****MR. STORY**

The genesis and nature of political control, particularly its roots in societal, psychological, and economic processes, will be examined in the first semester. Major problems which arise in the effort to establish and exercise political control are analyzed and defined during the second semester. Registration is limited exclusively to lower division students. 2 or 3 units. *WF, XI,* with third hour, *A,* for those permitted to register for three units. Students who are permitted to register for A1b without having taken A1a will be required to register for three units.)

B3b. Contemporary Governments.**MR. SAIT**

First semester: Modern solutions to problems in the field of political control. The character, institutional forms, and political practice of the principal contemporary foreign governments with special attention to English government. Second semester. American government including a study of the principles and problems of American national, state and municipal polity. *IV.*

C101. Principles of Politics.

MR. STOR

An examination of the fundamental forces, practices and problems revealed by man's experience in the art of government. Primarily for junior college transfers. Not open to those who have had A1. 2 or 3 units. First semester. *WF, VII*, with a third hour, *M, VII*, for those permitted to register for three units.

ADVANCED COURSES

Unless otherwise specified seven or eight hours work in the introductory courses, listed above, or the written consent of the instructor, is an absolute prerequisite for registration in the following courses.

C103a, C103b. Municipal Problems.

MR. STOR

Modern experience in adjusting the relations between central governments and cities and the attempts of the latter to reorganize their polity to meet the terms imposed by democratic ideas and scientific technology are considered in C103a. The special conditions which arise in metropolitan communities and the efforts to refashion their political mechanisms and processes, with special attention to metropolitan areas in California, are surveyed in C103b. *III*. (C103b alternates with C109. C103b is omitted 1936-1937).

C105. Introduction to Law.

MR. BURG

The development of American law and legal institutions with some analysis of the rights and liabilities arising from the most common legal relationships. First semester. *I*.

C108a, C108b. International Relations.

MR. S

In the first semester the main subjects of discussion will be economic discords and harmonies, the cause and effect of various methods of adjusting disputes, international co-operation, peace movement, and particularly the League of Nations. In the second semester will be devoted to a survey of international law—its nature, sources, and content, with emphasis upon the significance of post-war instruments such as the Covenant of the League, the Statute of the Court, and the Pact of Paris. *II*.

C109. Political Problems of Eastern Asia.

MR. STOR

A survey of the contemporary political life and international relations of China, Japan and Asiatic Russia, with particular emphasis upon China. Open to upper division students who have satisfactory elementary knowledge of one or more of the following subjects: Political Science, History, Economics, Sociology, Philosophy. 2 hrs. Second semester. *WF, III*, with a third hour at the pleasure of the instructor.

D112. Public Opinion.

MR. S

The origin and nature of individual and group attitudes toward public affairs and the relation of individual and group opinion to citizen conduct is examined; there is also an inquiry into the processes by which opinion is formulated and expressed and how it becomes effective in law and policy. Second semester. *V*.

3a, D113b. Political Institutions.

MR. SAIT

the first semester attention will be given to the methods of approach (theoretical, scientific, economic, historical, and comparative), to the origin of the state, its fundamental attributes, and the chief forms that it assumes. In the second semester the organs of the state (such as legislature or civil service) and political parties will be examined in the light of past evolution and present tendencies. *VI.*

1. Constitutional Law.

MR. BURGESS

an examination of the Constitution of the United States and the decisions of the Supreme Court upon questions arising therefrom. Second semester. *I.*

THE READING PROGRAM IN POLITICAL SCIENCE

A student who desires to read in Political Science will qualify for concentration in the field of Social Science (see p. 67), and will adopt the following Reading Program as the dominating feature of his upper division work. This program is designed to prepare those who aspire to intelligent participation in public affairs, to enter public service or to do graduate work in Political Science or in Law. The Reading Program represents a possible twenty-four hours of credit in the department, with an additional six hours counted upon the completion of reading courses planned for the next six months. The amount of credit to be assigned to any individual Reader will depend upon the appraisal of his work at the end of his Senior year. At that time a series of comprehensive examinations, written and oral, are given to all Readers during the month of May with a view to testing the Reader's range and thoroughness of achievement and the degree of maturity which characterizes his thinking. Readers who seek their degree with "Distinction in Political Science" will also prepare a thesis during Senior year.

The Reading Program emphasizes certain features which are designed to assure perspective and to impart organization and direction to the Reader's effort in the field as a whole:

(1) Each Reader registers, not for individual courses, but for the entire program, e.g., C151, C152 in the Junior year, and D251, D252 in the Senior year. In making up their programs Readers are advised to confer with all members of the Department, but registration will be made through the head of the department.

(2) As directive and contributing elements, not less than four required courses from the departmental offerings available in Political Science at Pomona and Scripps will be incorporated and counted in each Reader's program. Registration for these is individual and as follows: C151 (C108) or D252 (D112).

(3) Readers are furnished a selected bibliography covering the sections of the program; in consultation with some member of the department they will formulate their program of reading for the first semester and for summer work if the latter is entered upon. Each Reader is responsible for a sound general knowledge of the

material indicated in each section, and is expected to develop such individual emphasis as interest and time dictate and as may be agreed upon in consultation with his adviser in three subjects chosen under Section 2.

(4) In addition to individual conferences with a member of the department who acts as his adviser, each reader will meet bi-weekly in a pro-seminar group with the departmental faculty for the presentation of selected reports and discussion.

C151, C152. Reading in Political Science.

MR. BURGESS, MR. SAIT and MR. STONE

MR. SAUNDERS (Scripps) coöperate

D251, D252. Reading in Political Science.

MR. BURGESS, MR. SAIT and MR. STONE

MR. SAUNDERS (Scripps) coöperate

1. *Political Thought*: The great classics of Political Science from Plato's *Republic* to the significant works of contemporary writers.
2. *Governmental Institutions*: General Reading in the following subjects, in three of which individual emphases shall be stressed:
 - a. American Government.
 - b. Foreign Governments.
 - c. Comparative Municipal Government.
 - d. International Political Institutions.
 - e. Comparative Legal Institutions.
 - f. Public Opinion.
 - g. Public Administration.
3. *Political Biography*: The lives of great public leaders, with some emphasis upon those of the United States and Great Britain. "Works" and autobiographies will be included.
4. *Bibliography and Methods*: A survey of bibliographical sources in selected branches of the field; methods of investigation including the technological contributions of history, sociology, psychology and statistics. 24-30 units. A.

PSYCHOLOGY

B1 is prerequisite to all further courses in the department. Sections in B1 are limited to forty each.

B1. Elements of Psychology.

MR. EWER and MR. ELLIS

The fundamental facts and laws of the mind. Principles of sensation, perception, memory, thought, feeling, emotion, instinct and will. The relation of mental processes to the nervous system and to action. Each semester. First semester, Mr. Ewer, *IV*; Mr. Ellis, *VI*; second semester, Mr. Ellis, *V*.

C104. Child Psychology.

MR. ELLIS

An intensive survey of physical and mental growth and development. Particular attention will be given to methods of observation, training and to the hygiene of growth. Second semester. *IV*

65. Individual Differences.

MR. ELLIS

A study of the nature and extent of individual differences and their causes as determined by objective methods. Age, sex and race differences. Genius, subnormality, insanity and criminality. The organization of mind. Applications in various fields are considered briefly. First semester. *IV*.

66. Problems of Psychical Research.

MR. EWER

The mysterious phenomena of the mind presented in the light of scientific psychology. The subjects considered include hyperesthesia, automatism, illusions and hallucinations, hypnosis, contemporary occultism and spiritualism. First semester. *VI*.

67. Educational Psychology.

MR. EWER

Practical applications of psychology to education. The nature of the learner; principal features of the learning process; principles of motivation; methods of mental measurement. First semester, *VII*.

68. Applications of Psychology.

MR. ELLIS

A critical study of the fundamental principles underlying applied psychology together with their application in various fields, especially business, psychotherapy and law. Second semester, *VI*.

68. Experimental Psychology.

MR. ELLIS

A laboratory course in psychology accompanied by lectures and discussions of the principles of scientific method used in psychological investigations. First semester. Class, *MF, III*; laboratory *W, 1:15-4:10*. Laboratory fee \$2.00.

69. Social Psychology.

MR. EWER

Mental processes underlying social order and progress; the individual as the social unit; collective forms of behavior. First semester. *V*.

69. The Nature and Measurement of Intelligence.

MR. ELLIS

A study of the nature of intelligence and the principles and methods of intelligence testing with special emphasis upon the method of giving the Stanford Revision of the Binet Tests. Second semester. *IV*.

69a, D209b. Advanced Psychology. MR. EWER and MR. ELLIS
(Omitted in 1936-1937).

PUBLIC ADDRESS

-A1b. English: An Introductory Course.

MR. SCOTT

(In cooperation with the Department of English).
The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the more important literary types; instruction and practice in writing and speech. 4 units. Prerequisite for all other departmental courses. Men; *WF, I*; section meetings at *II*; Women: *TTh, II*; section meeting at *I*.

B32a, B32b. Public Address. MR. HAND and MR. SCOTT

Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment of specific audiences. 2 units. *MW, III.*

B33. Principles of Interpretative Reading. MR. SCOTT

Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of various literary types. 2 units. Second semester. *MW, V.*

B35. Argumentation and Debate. MR. SCOTT

Study of the principles of argumentation and practical application of these principles in class debates. Debate subjects for the year analyzed and debated. 2 units. Second semester. *TTh, IV.*

C131a, C131b. Advanced Public Address.

MR. HAND and MR. SCOTT

Training in the construction and delivery of formal addresses. Prerequisite: Public Address B32 or equivalent. 2 units. *TTh, VI.*

C134a, C134b. Reading of Dramatic Literature.

MRS. ALLEN and MR. SCOTT

The intensive study of a limited number of standard plays, emphasis on dramatic values in character and plot. Interpretative reading of these plays in class. Recital programs before the class. Prerequisite: Public Address B33 or equivalent. 2 units. *MW, VII.*

RELIGION

A1. Orientation in Religion. MR. MEYER

An orientation course for underclassmen aiming at an elementary acquaintance with the fundamental facts of religious tradition, particularly the Christian tradition. Each semester. *TTh, VI.*

B2a, B2b. Introduction to the Literature of the Bible. MR. MEYER

A survey of the Old and New Testament. The first semester deals with the books of the Old Testament, their chronological order, their authors, their significance. The second semester devoted to the literature of the New Testament. 2 units. *TTh, XI.*

B3a, B3b. The Development of Religion Among the Hebrews.

MR. MEYER

A study of the growth of religious ideas and customs in Hebrew civilization. In the first semester, the development traced from the beginning to the time of the Eighth Century prophets. The second semester is devoted to a study of the later prophets. 2 units. *TTh, XII. (B3a is omitted in 1936-19)*

103a, C103b. History of Religions.

MR. MELAND

A study of the religious cultures of the world through the ages. The first semester deals with the religion of early man and primitive peoples and the growth of religion in the ancient cultures of China, Japan, India, Persia, Greece, and Rome. The second semester covers the rise of religion in ancient Egypt, Babylonia, Assyria, and the growth of Judaism, Christianity, and Mohammedanism. *IV*.

104a, C104b. Christian Origins.

MR. HAND

An interpretative study of early Christianity. In the first semester especial emphasis is laid upon the teaching of Jesus and the significance of his life. The second semester is devoted to the study of the first interpreters of Jesus with especial reference to the influence of Paul in modifying and reinterpreting the religion of Jesus. *VII*.

110. Contemporary Religious Thought.

MR. MELAND

A study of present developments in religious thought with especial emphasis upon current literature in philosophy of religion. Contemporary thought is interpreted in relation to historical traditions that have shaped western thinking. Effort is made to discern the dominant trends and to interpret their significance for the religious life of our times. First semester. *V*.

111. The Religious Life.

MR. MELAND

A consideration of the facts and resources that make for religious living. This course aims to apply the insights of modern psychology, mental hygiene, and ethics to problems of religious living and to consider the values of worship as an aid to the fulfillment of life. Second semester. *V*.

ROMANCE LANGUAGES AND LITERATURES

FRENCH

111-A1b. Elementary.

MRS. BISSIRI, MR. CROWELL, MISS WAGNER

Essentials of grammar and pronunciation; readings from easy modern texts; writing from dictation; practice in speaking. *IV*. *VII*. (2 sections).

111-B3b. Intermediate.

MRS. BISSIRI, MR. CROWELL, MISS HUSSON, MISS WAGNER

A review of grammar with the translation of moderately difficult English into French; conversation. Extensive reading of modern French texts representing as many literary forms as possible; a part of this reading is done as outside assignments; French history, geography, culture, etc., are stressed in class discussions as far as time allows. *III* (2 sections), *VII*.

111-3a, C103b. Literature of the Nineteenth Century.

MRS. BISSIRI

In the first semester stress will be upon the theater, from the

romantic period to the end of the century. In the second semester, an intensive study of the romantic poets will be made, followed by a consideration of the later poets and certain prose writers outside the field of the novel. *V*.

C111a-C111b. Composition and Conversation. MRS. BISS

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation, phonetics being used as an aid. This course is conducted, for the most part, in French. *IV*.

D113a, D113b. Literature of the Seventeenth Century.

MRS. BISS

In the first semester, introductory lectures on the historical background and the precursors of the great dramatists, with a detailed study of the great plays of Corneille and Racine and certain of the writings of Boileau, Mme. de Maintenon and others followed in the second semester by a detailed study of Molière and a consideration of La Fontaine, La Bruyère, Descartes, Pascal, etc. *XI*.

D119. Le Moyen Age et La Renaissance.

MR. JOHNSON

Introductory lectures on the language and literature of the middle ages. Study of early French poetry; Les chroniques de Villon, etc. Followed by lectures on the Renaissance and a study of the Pléiade, Rabelais, Montaigne, Marot, etc. Collateral readings. First semester. *IV*.

D120. Literature of the Eighteenth Century.

MR. JOHNSON

A critical study of the French philosophers of the eighteenth century with especial attention to Montesquieu, Voltaire and Rousseau. Collateral readings and reports. Second semester.

SPANISH

A1a-A1b. Elementary.

MISS HUSSEY

Essentials of grammar and pronunciation; readings from modern texts; writing from dictation; practice in speaking.

B3a-B3b. Intermediate. Grammar Review and Modern

Readings.

MISS HUSSEY

A review of grammar with the translation of moderately difficult English into Spanish; conversation. Extensive reading of modern Spanish texts chosen to represent as many literary forms as possible; a part of this reading is done as outside assignments. Spanish history, geography, culture, etc., are stressed in discussions as far as time allows. Prerequisite: Spanish A equivalent. *V*.

C103. The Theater of the Nineteenth Century.

MISS HUSSEY

Study of the works of such dramatists as Moratín, Martín de la Rosa, Duque de Rivas, Gutiérrez, Hartzenbusch, López Ayala, Bretón de los Herreros, Tamayo y Baus, Echegaray and others. First semester. *VI*.

04. The Novel of the Nineteenth Century. MISS HUSSON
Study of certain of the works of Fernán Caballero, Pedro de Alarcón, Valera, Pereda, Galdós, Pardo-Bazán, Valdés, and Blasco Ibañez. Second semester. *VI*.

1a-C111b. Spanish Composition and Conversation.

MISS HUSSON

Intensive drill in written and oral expression; free composition; dictation; conversation, on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation. This course is conducted, for the most part, in Spanish. *IV*.

3. The "Quijote" and the Novel of the "Siglo de Oro."

MISS HUSSON and MR. CROWELL

Introductory lectures and assigned readings on the prose fiction of the Golden Age; and intensive class study of Cervantes and the "Quijote." First semester. *II*.

4. The Theater of the "Siglo de Oro."

MR. CROWELL

Introductory lectures and assigned readings. Intensive study in class of at least one play each of Lope de Vega, Ruiz de Alarcón, Tirso de Molina and Calderón. Extensive outside readings of further works of these authors and of some of the lesser dramatists. Second semester. *II*.

5. Spanish American Literature.

A study of certain literary masterpieces of Hispanic America. Not a survey course. First semester. *III*. (*Omitted in 1936-1937*).

7. Survey of Spanish Literature.

MR. CROWELL

The development of Spanish literature from the earliest times to the present. In connection with readings and reports opportunity will be afforded each student to work up phases of the subject in which he finds himself deficient. Second semester *III*.

ITALIAN

a-B31b. Elementary.

MR. JONES

A rapid survey of the grammar with special emphasis on the pronunciation. Extensive reading of modern prose. Open only to students who have a thorough grounding in French, Spanish, or Latin. *VI*.

SOCIOLOGY

a, B21b. Elements of Sociology.

MR. KIRK and MRS. SAIT

An introduction to the study of society. Designed to give the student an orientation in the social sciences and to develop a critical, comparative, and constructive attitude toward contemporary social problems. Application of sociological principles to modern social problems, such as race prejudice and movements of population, urbanization and neo-Malthusianism, marriage and divorce, poverty and crime, child welfare, leisure time activities. First semester *IV* and *VI*. Second semester *IV*.

C107. Criminology.

MR. K.

The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new scientific approach to the treatment of delinquents in the courts and in penal institutions. Prevention of delinquencies through control of the causes. First semester.

C108. Labor Problems.

MR. K.

(Omitted in 1936-1937).

C125. Poverty and the Community.

(Omitted in 1936-1937).

C128. Social Aspects of Race Relations.

(Omitted in 1936-1937).

D132. The Family.

(Omitted in 1936-1937).

D133. Theories of Social Reform.

MR. K.

A study of various proposals for social reconstruction including The Utopians, Marxian Socialism, Fabian Socialism, Syndicalism and Anarchy. An investigation of contemporary experimental social reorganization: The British Labor Movement, The Fascist Regime, Soviet Russia and the Cooperative Movement in Europe, India, and America. First semester. III.

D134. Contemporary Sociological Thought.

MRS.

An analysis of the facts and forces involved in the organization and modification of society with special emphasis upon isolation, social distance, conflict and accommodation.

A survey of the leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Second semester. III.

D251, D252. Advanced Studies in Sociology.

Research in social problems and agencies. Various techniques which have been developed in sociological research will be discussed in making individual or group surveys for the purpose of demonstrating the relative merit, the special contribution and the definite limitations of the several tools of research. A. (Omitted in 1936-1937).

SUMMER SESSION

Although the main work of the Summer Session formerly conducted by Pomona College has been transferred to Claremont Colleges, Pomona College still maintains summer work at Laguna Beach and Bluff Lake.

The Department of Zoology conducts work at the Laguna Beach Marine Laboratory, Professor W. A. Hilton, Director.

At the Pomona College summer camp in the San Bernardino Mountains, Professor Taylor gives theoretical and practical work in field surveying and Mr. Beggs gives instruction in applied art.

SUMMARY OF STUDENTS

1935-1936

Compiled March 1, 1936

Men	-	-	-	-	-	-	-	-	159
Women	-	-	-	-	-	-	-	-	156
Homemakers	-	-	-	-	-	-	-	-	220
Men	-	-	-	-	-	-	-	-	244
Specials	-	-	-	-	-	-	-	-	11
Total Enrolment	-	-	-	-	-	-	-	-	790

In addition to the above, 8 Claremont Colleges students, 90 Pomona College students and 5 students from La Verne College have taken some work in Pomona College during 1935-1936.

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KEY

Permanent



Temporary



Proposed



Fields



Guild Hall



Church

5th



11

15

15

14

12

13

Street



18

Street

Marston
Quadrangle

4th

Ave

Ave

Ave

29

30

28



27



26

3rd

Street



City Hall

2nd



City Library

Street

31



32

33

36

37

39

Women's Campus

38

Post Office

First

Street

Pacific Elect Ry
Station

Santa Fe Station

Index

PERMANENT

3. Men's Dormitory and Dining Hall:
Eli P. Clark and Frary Halls
5. Men's Dormitory
6. Tennis Courts
7. Alumni Athletic Fields
8. Training Quarters
9. Swimming Pool

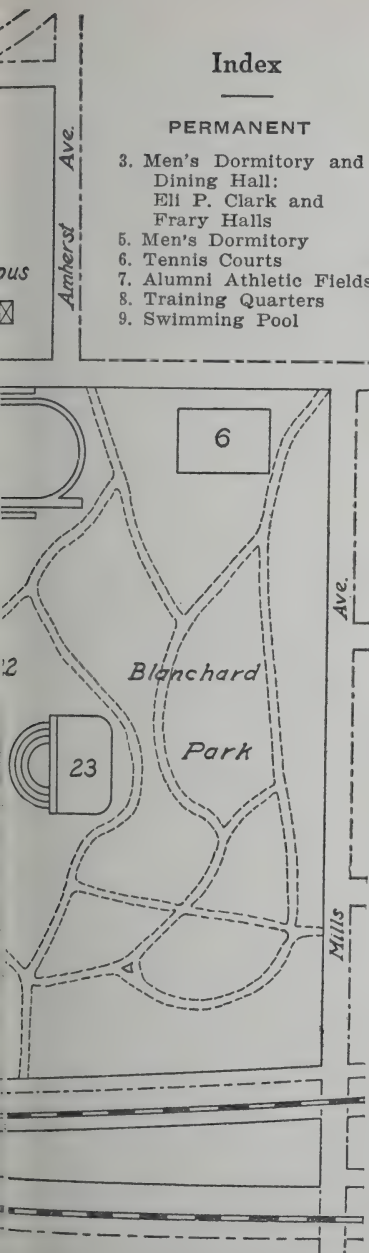
10. Smiley Hall:
Men's Dormitory
11. Holmes Hall:
Assembly Hall
13. Pearsons Hall
16. Crookshank Hall
17. Mason Hall
18. Library
19. Bridges Auditorium
22. Brackett Observatory
23. Open-Air Theater
24. Hockey Field
25. Tennis Court
26. Sumner Hall:
Administrative Offices
27. Bridges Hall
28. Rembrandt Hall
29. President's House
30. Claremont Inn
32. Harwood Court:
Women's Dormitory
35. Florence Carrier
Blaisdell Hall
Women's Dormitory
37. Women's Dining Hall
40. Heating Plant

TEMPORARY

1. Garages
2. College Shops
15. Harwood Hall
20. Little Gymnasium
21. Big Gymnasium
31. Wilby House:
Women's Dormitory
33. Women's Dormitory
34. Women's Building
36. Garages
38. Haddon Hall:
Women's Dormitory

PROPOSED

4. Men's Dormitory
12. Botany Building
14. Physics Building
39. Women's Gymnasium



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1937

Pomona College Bulletin

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Fiftieth Annual Catalog

1937-1938

Claremont, California

CORRESPONDENCE

Correspondence should be addressed as follows, the postoffice address being in every case Pomona College, Claremont, California:

Requests for catalogs, bulletins and general information, also inquiries regarding Public Events and Lectures - - -

- - - - - SECRETARY OF THE FACULTY

Admission of Students - - - DIRECTOR OF ADMISSIONS

Business Affairs - - - - - CONTROLLER

Student Affairs - - - - - DEAN OF THE COLLEGE
and DEAN OF WOMEN

Alumni Affairs - SECRETARY OF THE ALUMNI ASSOCIATION

POMONA COLLEGE BULLETIN

PUBLISHED MONTHLY, EXCEPT JULY AND AUGUST,

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Vol. XXXIV

MAY, 1937

No.

THE YEAR OF JUBILEE

During 1937-38 Pomona College will celebrate its Fiftieth Anniversary. Special exercises will be held on Founders' Day, Thursday, October 14th, while throughout the year the life and work of many departments will be stimulated by visiting scholars of distinction, who will also present public addresses of general interest. Special exhibits and social, musical and dramatic events also are planned to help make the year an outstanding one in the history of the institution.

HOSPITALITY

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is owned and operated by the institution. Parents and friends are invited to use the facilities of the Inn for long or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under both the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses in its service the friendliness of the colleges and the community.

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Fiftieth Year

Claremont College Bulletin

ANNUAL CATALOG

REGISTER OF OFFICERS AND
TEACHERS FOR THE YEAR
1937 - 1938, REQUIREMENTS
FOR ADMISSION, DESCRIPTION
OF COURSES AND GENERAL
INFORMATION

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May, 1937

CLAREMONT · CALIFORNIA

Published by the College

1938

JANUARY							JULY							JANUARY							JULY						
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COLLEGE CALENDAR

1937

ember	20, <i>Monday</i>	Conference Day for all new students
ember	21, <i>Tuesday</i>	Registration Day for all new students
ember	22, <i>Wednesday</i>	Registration Day for returning students
ember	23, <i>Thursday</i>	Registration Day for returning students
ember	23, <i>Thursday</i>	Opening Convocation, 11:00 a. m.
ember	23, <i>Thursday</i>	First Semester Classes begin, 1:15 p. m.
er	14, <i>Thursday</i>	Founders Day, Flame Ceremony, 11:00 a. m.
ember	24, <i>Wednesday</i>	Thanksgiving Recess begins, 6:00 p. m.
ember	29, <i>Monday</i>	Thanksgiving Recess ends, 8:00 a. m.
ember	16, <i>Thursday</i>	Christmas Music, 7:00 p. m.
ember	17, <i>Friday</i>	Christmas Recess begins, 6:00 p. m.

1938

ry	3, <i>Monday</i>	Christmas Recess ends, 8:00 a. m.
ry	26, <i>Wednesday</i>	Examinations Begin
ary	5, <i>Saturday</i>	First Semester Ends
ary	7, <i>Monday</i>	Registration Day for Freshmen, Sophomores and Specials
ary	8, <i>Tuesday</i>	Registration Day for Juniors and Seniors
ary	9, <i>Wednesday</i>	Second Semester Classes begin, 8:00 a. m.
ary	10, <i>Thursday</i>	Opening Convocation of Second Semester, 11:00 a. m.
ary	26, <i>Saturday</i>	Matriculation and Parents' Day Convocation, 11:00 a. m.
	1, <i>Friday</i>	Spring Recess begins, 6:00 p. m.
	11, <i>Monday</i>	Spring Recess ends, 8:00 a. m.
	27, <i>Friday</i>	Memorial Convocation
	7, <i>Tuesday</i>	Examinations begin
	20, <i>Monday</i>	Commencement
	SUMMER VACATION	
ber	19, <i>Monday</i>	} Registration Days
ber	20, <i>Tuesday</i>	
ber	21, <i>Wednesday</i>	
ber	22, <i>Thursday</i>	Convocation, 11:00 a. m.

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DIRECTORY OF OFFICERS

CHARLES K. EDMUNDS, President	209 Sumner H
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JESSIE E. GIBSON, Dean of Women	112 Sumner H
ERNEST E. JONES, Treasurer	Harper H
GEORGE S. SUMNER, Controller	Harper H
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CONSTANCE WOOD, Recorder	106 Sumner H
RALPH H. PARKER, Librarian	Lib
JOSEPH F. GRIGGS, JR., M.D., College Physician	Disper
EDNA PRESCOTT DAVIS, Director of Dormitories	Frery
EARL J. MERRITT, Social Director, Men's Campus	Eli P. Clark
FLORENCE B. INGRAM, Social Director, Women's Campus	Harwood C
MARGARET MAPLE, Alumni Secretary	202 Sumner H

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GEORGE S. SUMNER, PH.D.

Controller

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President of the Alumni Association, *Ex Officio*

Term of Office Expires June, 1937

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Hollywood

F. HAHN

Pasadena

G. MUDD, M.D.

Los Angeles

ALPH J. WIG

Pasadena

BETH C. TREANOR

Los Angeles

Term of Office Expires June, 1938

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Pasadena

R. M. DOLE

Pomona

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Claremont

A. SCHWEITZER

Los Angeles

SIBLEY, D.D.

Memphis, Tenn.

WICK W. WILLIAMSON

Los Angeles

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Pomona

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Pasadena

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San Dimas

MCLEAN OLNEY

Berkeley

L. WILCOX

Lamanda Park

M. RAYMOND

Los Angeles

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Long Beach

WILEY CHAPMAN

Fullerton

CLARK EVERSOLE

La Canada

GEORGE W. MARSTON, LL.D.

San Diego

P. JENNINGS

Los Angeles

J. ARMSTRONG

Los Angeles

Term of Office Expires June, 1941

M. B. HIMROD

Los Angeles

R. J. MCFADDEN

Santa Ana

J. REED

Los Angeles

PATTON, D.D.

Berkeley

E. SHELTON

Los Angeles

W. FIFIELD, JR. D.D.

Los Angeles

FACULTY¹

CHARLES KEYSER EDMUNDS

345 College A

President, 1928.

B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

EDWIN CLARENCE NORTON

145 W. Seventh

Dean of the Faculty and Professor of the Greek Language and Literature on the Edwin Clarence Norton Foundation, 1888. Emeritus.

FRANK PARKHURST BRACKETT

270 E. Third

Professor of Astronomy on the Frank Parkhurst Brackett Foundation and Director of the Observatory, 1888. Emeritus.

GRACE ELLA BERRY

353 W. Eleventh

Dean of Women, and Associate Professor of Mathematics, 1900. Emeritus.

RAYMOND CUMMINGS BROOKS

5353 W. 3rd St., Los Ang

Professor of Religion on the Nancy M. Lyon Foundation, 1900. Emeritus.

WILLIAM POLK RUSSELL

506 E. Sixth

Professor of Mathematics on the Joseph W. Fiske Foundation, 1900. Emeritus.

MENDAL GARBUTT FRAMPTON

927 Harvard

Professor of the English Language, 1904.

B.A., M.A., D.Litt., Illinois College; M.A., Harvard University.

WILLIAM ATWOOD HILTON

1293 Dartmouth

Professor of Zoology on the Willard George Halstead Foundation, 1905.

B.S., Cornell University; Ph.D., Cornell University.

BERNARD CAPEN EWER

706 Indian Hill

Professor of Psychology, 1916.

B.A., Brown University; M.A., Brown University; Ph.D., Harvard University.

RALPH HAINE LYMAN

357 W. Ten

Professor of Applied Music, Head of Department of Music, 1917.

B.A., Grinnell College. Student in voice with Karleton Hackett, B. Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Cowper and other American masters and with Vittorino Moratti in

¹Active Faculty arranged in order of appointment to present rank. T in each case denotes the beginning of original term of service.

O BEATH JONES 807 College Ave.

Professor of French Literature and Instructor in Italian, 1911.
A., Boston University; M.A., Boston University. Graduate Student,
universities of Chicago, Geneva and Barcelona.

LIAM EVAN NICHOLL Eli P. Clark Hall

Dean of the College and Professor of Education, 1919.
A., Bellevue College; M.A., Columbia University. Graduate Student,
Edinburgh University.

MER ELMER ROBBINS 487 Harrison Ave.

Professor of Classical History and Language, 1915.
A., M.A., Ph.D., University of Michigan.

CE McCULLEY 210 E. Foothill Blvd.

Professor of English Literature, 1921.
A., Hiram College; M.A., University of Chicago; Ph.D., Harvard
University.

LIAM KIRK 705 Indian Hill Blvd.

Professor of Social Economics on the Henry Snyder Foundation, 1922.
A., Johns Hopkins University; Ph.D., Johns Hopkins University.

RGE SAMUEL BURGESS 1175 College Ave.

Professor of Law and Secretary of the Faculty, 1918.
A., University of Michigan; J.D., University of Michigan.

ENE WHITE NIXON 1034 Harvard Ave.

Professor of Physical Education for Men, 1916.
A., Monmouth College; M.A., Columbia University. Graduate Student,
Illinois and California Universities.

JK WESLEY PITMAN 116 E. Twelfth St.

*Professor of History on the Warren Finney Day Memorial Founda-
tion, 1924.*
B., Yale University; M.A., Yale University; Ph.D., Yale University.

AND RAY TILESTON 1129 Dartmouth Ave.

Professor of Physics on the Seeley W. Mudd Foundation, 1925.
A., Dartmouth College; M.A., Dartmouth College; D.Sc., Colorado
College.

ELL McCULLOCH STORY 127 W. Eight St.

Professor of Political Science, 1925.
A., Monmouth College; M.A., Harvard University; Ph.D., Harvard
University.

CHARLES TABOR FITTS

826 Harvard Ave

*Professor of Education, 1919.*B.A., Amherst College; M.A., University of California. Graduate Student
Harvard University.

PHILIP ALEXANDER MUNZ

1165 Indian Hill Blv

*Professor of Botany on the Henry Kirke White Bent Foundation,
1917.*B.A., M.A., University of Denver; Ph.D., Cornell University. Gradua
Student, University of Chicago.

KENNETH DUNCAN

1100 Harvard Av

*Professor of Economics on the Stedman-Sumner Foundation and
Director of the Library, 1926.*B.A., Wabash College; M.A., University of Wisconsin; Ph.D., Universi
of Michigan.ALFRED OSWALD WOODFORD¹

443 W. Tenth S

Professor of Geology, 1915.

B.A., Pomona College; Ph.D., University of California.

JESSIE EDITH GIBSON

*Dean of Women on the Martha N. Hathaway Foundation, 1927.*B.A., University of Idaho; M.A., University of Washington. Gradu
Student, California and Columbia Universities.

CHARLES JUDSON ROBINSON

809 Indian Hill Blv.

Professor of Chemistry on the Carnegie Foundation, 1927.

B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins University.

EDWARD TAYLOR

1022 Harvard A

*Professor of Engineering Mathematics, 1920.*C.E., University of Minnesota; M.A., University of Southern Califor
Graduate Student, University of Oregon.

EDWARD MCCHESENEY SAIT

238 E. Seventh

*Professor of Political Science, 1928.*B.A., Toronto University; M.A., Toronto University; Ph.D., Columi
University.

CHESTER GEORGE JAEGER

1045 Yale A

Professor of Mathematics, 1931.

B.A., Ph.D., University of Missouri.

¹Absent on leave 1937-38.

- BERT SIDNEY ELLIS** 1120 Harvard Ave.
Professor of Psychology, 1931.
 A., University of Arkansas; Ph.D., Clark University.
- ALFRED ALLEN** 175 East 12th St.
Professor of Musical Theory and Appreciation, 1912.
 A., Beloit College; B.Mus., Yale University. Associate, American Guild of Organists.
- RETT SAMUEL OLIVE** University Club, 8th and Amherst
Professor of Piano, 1923.
 Mus., Simpson College. Graduate Student, Simpson College. Pupil of Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.
- PH WADDELL CLOKEY** Via Los Altos
Professor of Organ, 1926.
 A., Miami University. Graduate, Cincinnati Conservatory of Music.
- WARD HUNT PATTEE** 188 West 7th St.
Director of Admissions, 1932.
 A., Pomona College; M.A., Stanford University; Graduate Student, Columbia University.
- ES WHITE CROWELL** 1278 Yale Ave.
Professor of Romance Languages, 1929.
 B., Haverford College; M.A., Haverford College; Ph.D., Cornell University.
- LES P. STIVERS** 505 West 12th St.
Professor of Military Science and Tactics, 1936.
 E., University of Wisconsin; Graduate, Advanced Course, Infantry School; Graduate, Command and General Staff School; Graduate, Army War College. Major, Infantry, U. S. Army.
- OTT CURTIS LINCOLN** 472 W. Tenth St.
Associate Professor of English Literature, 1924.
 E., Colby College; M.A., State College of Washington and Harvard University.
- NAMIN DAVID SCOTT** 828 College Ave.
Associate Professor of Public Address, 1923.
 B., University of Southern California; S.T.B. Boston University; Ph.D., Boston University. Graduate work, Boston, Brown and Harvard Universities.
- ZBETH KELLEY** Maryland Ave.
Associate Professor of Physical Education for Women, 1928.
 A., University of Wisconsin; M.A., New York University. Graduate Student, Stanford University.

- WALTER TICKNOR WHITNEY 445 W. Tenth St
Associate Professor of Astronomy, and Director of the Frank P. Brackett Observatory, 1929.
 B.S., M.S., Pomona College; Ph.D., University of Chicago.
- WILLIAM HENRY COOKE 226 W. Eight St
Associate Professor of History, 1927.
 B.A., Pomona College; M.A., Pomona College; Ph.D., Stanford University.
- OTIS HAMILTON LEE 419 Yale Ave
Associate Professor of Philosophy, 1935.
 B.A., University of Minnesota; B.A., Oxford University; Ph.D., Harvard University.
- BERNARD EUGENE MELAND 1111 Harvard Ave
Associate Professor of Religion, 1936.
 B.A., Park College; M.A., McCormick Theological Seminary; Ph.D., University of Chicago. Graduate Student, Marburg University.
- THOMAS MONTAGUE BEGGS 424 W. Tenth St
Associate Professor of Art, 1926.
 B.F.A., Yale University. Graduate, General Art Course at Pratt Institute.
- CARL BAUMANN 459 West 11th St
Associate Professor of German, 1931.
 Ph.D., University of Basel.
- RALPH HALSTEAD PARKER
Librarian, 1937.
 B.A., M.A., Ph.D., University of Texas.
- COLVIN HEATH 270 W. 12th St
Assistant Professor of Physical Education for Men, 1922.
 B.A., Pomona College; M.A., Stanford University.
- ROBERT LOBINGIER STREHLE 1019 Dartmouth Ave
Assistant Professor of Physical Education for Men, 1923.
 B.A., Pomona College. M.A., Claremont Colleges. Graduate Student, University of Southern California, University of California, Stanford University.
- FRANCIS RAYMOND IREDELL 1060 College Ave
Assistant Professor of Philosophy, 1925.
 B.A., Pomona College; M.A., Ph.D., Harvard University.
- ROSA FRIEDA BISSIRI 232 West 5th
Assistant Professor of French, 1920.
 B.A., Kreuzlingen College, Switzerland.

MARGARET HUSSON

Maryland Ave.

Assistant Professor of Spanish, 1925.

B.A., University of Kansas; M.A., Columbia University. Graduate study, Centro de Estudios Históricos, Madrid.

EROLD DAVIS

435 W. 8th St.

Assistant Professor of English, 1927.

B.A., Stanford University; B.A. and B.Litt., Oxford University.

LIE ELIZABETH WAGNER

428 W. Tenth St.

Assistant Professor of German, 1928.

B.A., Smith College; M.A., Pennsylvania State College. Doctorat de l'Université, mention Lettres, Toulouse.

SLEY GLICK LEIGHTON

1031 Indian Hill Blvd.

Assistant Professor of Chemistry, 1931.

B.A., Pomona College; M.A., Harvard University; Ph.D., Harvard University.

RION JEANETTE EWING

487 W. Sixth St.

Assistant Librarian, 1912.

B.A., Olivet College; B.S., Simmons College; M.A., Boston University.

RTIS HAUPT

451 West 7th St.

Assistant Professor of Physics, 1930.

B.A., Colorado College; M.A., University of California. Ph.D., University of California.

EN HOWARD¹

217 W. 11th St.

Assistant Professor of English, 1930.

B.A., Birmingham-Southern College; M.A., University of Chicago; Ph.D., Johns Hopkins University.

WEST ALBERT STRATHMANN

160 West 11th St.

Assistant Professor of English, 1932.

B.A., M.A., Ph.D., Johns Hopkins University

RMAN THEODORE NESS

529 Indian Hill Blvd.

Assistant Professor of Economics, 1928.

B.A., Carleton College; M.A., University of California; Graduate Student, Harvard University.

DON SUTHERLAND

120 W. 9th St.

Assistant Professor of Piano, 1931.

Mus. and M.Mus., American Conservatory of Music.

ent on leave 1937-38.

WARD CONWELL SMITH

Assistant Professor of Geology, 1936.
B.A., Stanford University; Ph.D., Yale University.

ADA COOPER CAWSEY

130 W. Tenth St.

Assistant Professor of Physical Education for Women, 1930.
B.S., University of Wisconsin. Graduate Student, Universities Wisconsin and Southern California.

EARL JAY MERRITT

Eli P. Clark Hall

Instructor in Physical Education, and Freshman Class Adviser, 1925.
B.A., Pomona College.

MARY C. LOVE

466 W. Sixth St.

Head of Library Loan Department, 1929.
B.A., M.A., Stanford University.

VIRGINIA PRINCEHOUSE ALLEN

175 East 12th St.

Instructor in Dramatics, 1930.
B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.

LUCILLE STEVENSON

423 W. Cucamonga

Instructor in Voice, 1931.
Student of Charles W. Clark, Alice Prince Miller and Rita Bastiannini.

ESTHER GOSS BRISTOL

712 Yale Ave.

Instructor in Physical Education for Women, 1935.
B.A., Pomona College; M.A., Columbia University.

ELIZABETH CAWTHORNE

736 N. College Ave.

Instructor in Physical Education for Women, 1935.
B.A., M.A., University of California.

CYRIL JURECKA

163 W. 11th St.

Instructor in Art, 1932.
Graduate, Imperial and Royal College of Sculpture, Horice, Bohemia, now Czechoslovakia.

CONSTANCE HASTINGS WOOD

353 West 11th St.

Recorder, 1936.
B.A., Smith College.

WILLIAM G. BLANCHARD

140 West 8th St

Instructor in Music, 1936.
B.Mus., DePauw University; M.Mus., University of Michigan.

- MARGARET E. SMITH 618 Harvard Ave.
Instructor in Chemistry, 1936.
 A., Syracuse University; M.S., Ph.D., Pennsylvania State College.
- WILLIAM HASKELL KEMBLE Eli P. Clark Hall
Instructor in History, 1936.
 A., Stanford University; M.A., University of California.
- WILLIAM J. HAMILTON 710 West 3rd St., Pomona
Instructor in Mathematics, 1936.
 A., University of California; Ph.D., Brown University.
- EMILY CLAYTON 487 West 6th St.
Instructor in Biology, 1936.
 A., San Diego State College; M.A., Claremont Colleges; Graduate Student Stanford University.
- WILLIAM LES BURTON FAHS 536 West 6th St.
Instructor in Oriental Affairs, 1936.
 A., M.A., Ph.D., Northwestern University; Graduate Student, University of Berlin. Fellow of General Education Board in Paris and Japan.
- JOSEPH E. FISKE 905 Harvard Ave.
Instructor in Violin, 1936.
 A., M.Mus., American Conservatory of Music.

DEPARTMENTAL LECTURERS

- JOSEPH COLEMAN 870 N. Towne Ave., Pomona
Lecturer in Public School Music, 1927.
 A., Chicago University. Pupil of Percy Rector Stephens and DeWitt Lash.
- WILLIAM T. BRITT
Lecturer in Biography, 1937.
 A., Knox College; Litt.D., Park College.
- WANG TSUAN KUNG
Lecturer in Chinese, 1937.
 A., Lingnan University; M.A., Yenching University.

FACULTY COMMITTEES

1937-1938

ADMINISTRATION—Ewer, Jaeger, McCulley, Munz, Duncan.

ADMISSION—Pattee, Nicholl, Gibson, Ellis, Davis.

ATHLETIC COUNCIL—Jaeger, Lincoln, Nicholl, Nixon, three student representatives, and two Alumni consulting members.

CLASSIFICATION—Nicholl, Ellis, Pattee, Wood, Ness.

COLLEGE LIFE—Nicholl, Gibson, Duncan, Jaeger, Merritt.

President and Vice-President Associated Students, consulting members on call.

COURSES OF STUDY—Burgess, Munz, Fitts, Lee, McCulley, Bauman.

ENGLISH—Strathmann, Leighton, Husson.

HEALTH—Robinson, Nicholl, Gibson, Nixon, Kelley, A.W.S. and A.M.S. Presidents, consulting members on call.

HONORS—Ellis, Pitman, Robbins, Robinson, McCulley.

LIBRARY—Duncan, Parker, Ewing, Burgess, Lincoln, Hilton, Baumann.

PERSONNEL—Gibson, Nicholl, Fitts, Pattee, Merritt, Ellis, Tileston, Husson, Kelley, Wood.

PUBLIC EVENTS—Nicholl, Burgess, Lyman.

RELIGIOUS INTERESTS INCLUDING CHAPEL—Meland, Nicholl, Lyman.

SCHOLARSHIPS—Story, Gibson, Nicholl, Tileston, Allen, Iredell, Fitts.

STUDENT AID—Nicholl, Gibson, Cleverdon, Pattee, Merritt.

GENERAL INFORMATION

EARLY DAYS

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt the founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the first Board of Trustees by the General Association of Congregational Churches of Southern California.

ORIGINAL TRUSTEES

Henry Kirke White Bent	Pasadena
Nathan W. Blanchard	Santa Paula
Anson Brunson	Los Angeles
Elwood Cooper	Santa Barbara
James T. Ford	San Bernardino
James H. Harwood	San Diego
David D. Hill	Pasadena
Theodore C. Hunt	Riverside
George W. Marston	San Diego
John K. McLean	Oakland
Henry A. Palmer	Oakland
Seth Richards	Boston, Mass.
Charles B. Sheldon	Pomona
Charles B. Sumner	Pomona
Andrew J. Wells	Long Beach

Of this group, Mr. George W. Marston is still a member of the Board. He served as its President for twenty-seven years, and is now Honorary President.

The College was incorporated October 14, 1887. The work of construction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel in Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the College. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrolment has been held at approximately 750 divided equally between men and women and among the four classes.

A NEW DEPARTURE

The imperative demand for expansion led to the adoption under the inspiring leadership of President James A. Blaisdell, the group plan of affiliated colleges, in which the obvious advantages of the small college are retained while still making possible the gathering together of the equipment that is justified only in a large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

Claremont Colleges, with its own trustees known as "The Board of Fellows," some of whom are also trustees of Pomona College and Scripps, constitutes a central group, focusing a mutual effort set to return to each member of that group a stimulating and supplementing influence. Through the bequest of the late Seeley W. Mudd, first chairman of its Board of Fellows, and erstwhile trustee of Pomona College, Claremont Colleges received a fund of one million dollars for the establishment of its work.

These three institutions, Pomona, Scripps and Claremont, independent, but cooperate in maintaining certain mutual activities and facilities. Pomona and Scripps exchange upper division classroom privileges, thus enlarging the opportunity of the more advanced students for a choice of instructors and subject matter. The Graduate School, the central library, the summer session, and in part the sponsoring of research work are carried on as common enterprises of the three institutions under the administration of Claremont Colleges. The buildings and facilities of Claremont Colleges and the laboratories of Pomona College are for the use of all.

Claremont Colleges undertakes also in behalf of the group the administration of the health service, which includes the full-time of a physician and the operation of a thoroughly up-to-date

primary, the responsibility for an auditorium seating 2600 and the music and lecture courses presented in it each year, the development of a central heating plant, the purchasing and cataloging of books for all three libraries, and the conduct of a common business office, each institution sharing proportionately in the cost of these common services. An "Intercollegiate Council" serves as a co-ordinating agency for matters of mutual concern.

POMONA'S IDEAL

A vital feature of the Claremont plan is the enhancement of scholarly life among undergraduates. Pomona represents the effort to maintain in an exceptionally favorable environment a small independent residence college where the inestimable advantages of intimacy are secured, but where the advantages of ample facilities and intense competition are also secured by its association with these other colleges situated in close proximity to it, where the selective process assures, as nearly as possible, a company of students who will really profit by college experience.

POMONA'S PROGRAM

From the very beginning Pomona College has maintained a reputation for interest in thorough scholarship rather than in mere numbers. Membership in the institution itself is regarded as scholastic honor. Pomona holds that scholarship should not only be high but also broad and inclusive. It is not a professional school. It insists that the best preparation for life includes not only the ample, generous and complete training of the college course, such as is here given, but also at a later period a thorough and definite professional specialization. The College has been particularly successful in permeating its body of students with high ambitions. A very large percentage of its graduates have received subsequent professional training, many winning scholastic honors in other institutions.

The courses offered in Pomona College cover the whole range of the humanities and the sciences, while the fine arts, especially music, are duly emphasized. Various combinations of fundamental courses are presented as adequately preparing for later professional studies in engineering, medicine, law, or education.

HONORS WORK

Since September, 1924, Pomona has been developing the so-called honors type of instruction, the purpose of which is to fit students of more than average ability from some of the routine requirements such as compulsory attendance in classes, frequent tests and conformity in the study of textbook assignments. Such students are encouraged to limit the scope of their work and concentrate, in their junior and senior years, in their chosen field of study, preferably in programs composed of one major subject and one or two minors, so that the student may achieve a certain mastery and a sense of unity of knowledge in a fairly large division of learning. The student is offered the opportunity of periodic private conferences with his major adviser, who helps plan his courses and his reading, criticizes his reports, and helps in achieving that integration of learning which constitutes a liberal education.

In a word, Pomona College, in the midst of a very rapidly developing region of Southern California, is endeavoring to maintain the values of a broad cultural preparation for life.

SOCIAL TRAINING AN ESSENTIAL PART OF EDUCATION

In seeking to achieve this purpose Pomona is making use of living conditions, dormitories, dining halls, social intercourse to an extent and in a way not yet adequately developed in American colleges generally, as a fundamentally important part of the undertaking.

Dining in the great hall for men or in the women's new hall induces social amenities not acquired otherwise. Exchange of ideas between the women's campus and the men's campus affords opportunities for social intercourse and entertainment at no extra expense. The fraternities have their special rooms within the dormitories in close association with the rooms assigned to the members of the several groups.

Pomona's co-educational character greatly increases the culture of its student body. Working together on the highest level of life, men and women are most likely to associate in mutual respect and dignity. The graduates of this college testify that these relations add to the genuine wholesomeness and roundness of the student's life. While emphasizing social values

opportunities, the college, however, holds them subordinate to the main business of study and work.

Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it is obligated to promote the consideration of those age long spiritual aspirations and interpretations which constitute religion and to urge each student to correlate correctly these factors with the discoveries resulting from the application of careful scientific method in all other fields of human investigation. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of education, to seek an interpretation of his own guided by a critical study of those arrived at by others. It thus seeks to resource the coming generation with a leadership of intellectual capacity, directed will and noble character.

While originally Congregational in organization, the College long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control but pledged nevertheless under its charter to maintain the institution as truly Christian, though nonsectarian.

BUILDINGS AND EQUIPMENT

In addition to the grounds and buildings administered by Claremont Colleges in behalf of both Pomona College and Scripps College, Pomona College itself occupies about one hundred and twenty acres, of which sixty are included in Blanchard Park, about ten in Alumni Athletic Field, and fifty in the campus proper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from the central heating plant operated by Claremont Colleges.

The Mary L. Sumner Hall, named in memory of the wife of Rev. Charles B. Sumner, LL.D., one of the Founders of Pomona College, has been removed from its original site and remodeled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Monson, Massachusetts, reconstructed in 1916 in conformity with more modern plans for buildings and campus, is devoted mainly to chapel and recitation rooms, departmental offices and the offices of the Associated Students.

The Business Office of Pomona College is maintained in Harper Hall, administered by Claremont Colleges.

The Library, the gift of Mr. Andrew Carnegie, is an imposing structure, well adapted to the purposes for which it was built.

The Albert K. Smiley Hall, the first dormitory for men, accommodates sixty-five students and one instructor. It is completely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory for Freshmen, which provides superior quarters for some 100 students besides the House Master and one or more instructors; two additional dormitories accommodating some 165 upperclass men; Frary Hall, the Dining Hall for Men, the gift of Mr. George W. Marston and others, named in memory of Rev. Lucien H. Frary, a member of the Board of Trustees from 1892 to 1903. Besides the Great Hall which will seat 450, there are three smaller dining rooms for the use of special groups as required.

Harwood Court, a modern and pleasing dormitory which includes Strong Hall, accommodates about one hundred and eighty women. Florence Carrier Blaisdell Hall, named in honor of Mrs. James A. Blaisdell, houses eighty women. The College also maintains several houses, in which similar accommodations can be secured. All women residents are served by the Aurelia Squier Harwood Memorial Dining Hall.

The Student Union, the first sections of which will be ready for use in September 1937, has been made possible through the gifts of many parents supplementing funds from the Associated Students and the bequest of the late Florence Riley. It will house student offices, including publications, the graduate manager, and the Cooperative Store; provide a social center for all students and an attractive and adequate ballroom so that off-campus dancing will not be necessary.

Rembrandt Hall is devoted chiefly to the work of the Department of Art. The upper floor contains studio and work room; the lower floor two auditoriums of moderate size for exhibits and lectures.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges of San Diego, offers excellent facilities for the study of music.

The Mabel Shaw Bridges Auditorium, under the auspices of Claremont Colleges, has a seating capacity of 2600 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, though uncompleted, has at present a seating capacity of over 4000.

The Gymnasium, comprising two structures, affords ample equipment for indoor physical training supplementing the various playing fields for men and for women.

The Memorial Training Quarters stands as a remembrance of the Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of these men, Sheldon Perry, '17, supplemented by those of alumni, students and friends. Alongside the Training Quarters is a modern standard size swimming pool for men.

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, containing the laboratories and lecture rooms of the departments of physics and mathematics, was reconstructed and made earthquake proof in the summer of 1934.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn Brackett, '01, is designed to be of service to the student in the direct study of the stars.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

The Marine Laboratory, located at Laguna Beach, has nine private rooms for special workers and two general laboratories, as well as storerooms, work rooms and aquarium room.

The Pomona College summer camp at Bluff Lake in the San Bernardino Mountains consists of five cabins, located on the tract of 120 acres given to Pomona College by Mr. J. S. Edwards.

The camp, at an elevation of 7,500 feet, is in a region of grand and unspoiled natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in their service.

THE LIBRARY

The Library, of 84,550 books and 83,381 pamphlets, has been carefully selected, and is a working library of exceptional value.

The College possesses also the following library collections administered by the main library: The Cook-Baker Biological Library, the Parrish Botany Library, the James A. Lyman Memorial Library of Chemistry, the Astronomical Library, the New England Collection, the Geology Library, the Mason Library of California and Western American History, the Henry R. Wagner Collection of History and Cartography of the North Pacific, the Viola Minor Westergaard Art Collection, and the Carnegie Art Collection.

The main Library, the New England, the Mason California and the Wagner North Pacific Libraries and the Westergaard Art Collections are housed in the Carnegie Library Building; the Cook-Baker Library and the Parrish Library in Crocker-Hank Hall; the Astronomical Library in the F. P. Bracht Observatory; the James A. Lyman Memorial Library and the Geology Library in Mason Hall of Chemistry.

The Library is a depository for the publications of the Carnegie Institution of Washington, and for the United States Government documents. It has a large and well selected list of the most valuable research and general periodicals, including many complete files.

The library of Claremont Colleges, comprising 23,199 volumes (including the George Burton Adams Library of English History, the Paul Hensel Library of Philosophy, and the Nollen Library of German Literature) is housed in Harper Hall and is available to all students and instructors.

The library of Scripps College, at present about 19,000 volumes, is housed in the Ella Strong Denison Library on the Scripps campus, and its resources are also available to students and teachers in Pomona College.

LECTURE FOUNDATIONS

THE JOSEPH H. JOHNSON FOUNDATION, liberally endowed by Mrs. Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions. By this means such educators are annually in residence in Scripps College. The opportunity of intimate contact with distinguished instructors thus afforded to undergraduates is a unique privilege, often surpassing the privileges of the classroom of the institution from which these educators come.

THE HENRY D. PORTER FOUNDATION, named in honor of the Rev. Henry D. Porter, for many years a missionary in China, invites to the institution annually, the extended stay of some eminent worker in the field of Christian Missions. The lecturer in this foundation commonly shares in the regular classroom work related to the history, geography, politics or religion of the nation in which he has been actively at work. This vivid representation of the missionary life is one of the most stimulating features in the spiritual program of the College.

THE CLARK FOUNDATION, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture or series of lectures in the general field of religion.

MUSIC

In order to insure to the entire student body the opportunity of seeing and hearing the great artists of the day, whose public appearance is usually confined to the larger cities, the College cooperates with Scripps College and Claremont Colleges in the instruction each year of a group of the most distinguished masters in the field of music. For the year 1936-37 the following artists were presented: Kirsten Flagstad, Gregor Piatigorsky, Sergei Rachmaninoff, Nathan Milstein, Marian Anderson, and the Los Angeles Philharmonic Orchestra. For the concerts thus provided an annual ticket is furnished to every full time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of the faculty and by groups are given on Monday evenings.

The College Choir and the Men's and Women's Glee Club afford opportunity both for the exercise and for the appreciation of vocal talent.

PUBLIC ASSEMBLIES

It is the practice of the College to give opportunity for the consideration and expression of the common college interests.

On Thursday at 11 a.m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of the addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. Full attendance of both faculty and students is expected at these exercises.

On Tuesday at 11 a.m. a brief devotional Chapel Service is held, attendance at which is voluntary.

A Vesper Service of special music is offered on Sunday from five to five-thirty.

Students are urged to associate themselves for worship with the Claremont Church or those in neighboring communities, in connection with which many forms of religious activity are maintained.

CAMPUS ORGANIZATIONS

THE ASSOCIATED STUDENTS. This association attempts to coordinate all student activities. Its officers are chosen by the student body from among their own number. All important questions are first considered by the Executive Council, a governing group composed of class presidents and chairmen of other organizations representing various activities of campus interest.

ASSOCIATED MEN STUDENTS

ASSOCIATED WOMEN STUDENTS

} These organizations consider and promote the special interests of the men and women respectively.

STUDENT-FACULTY COUNCIL. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student

Executive Council has been formed and holds regular meetings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for their consideration and action.

CLASS ORGANIZATIONS. Each of the four college classes is organized for the purpose of promoting class social life.

DEPARTMENTAL ORGANIZATIONS. Astronomical Society; El Culo Espanol; Le Cercle Francais; Mathematics Club; German Club; Physical Education Club for Women; Science Club.

PHI BETA KAPPA. The Pomona Chapter of Phi Beta Kappa is Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts, and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

HONOR SOCIETIES. Alpha Delta Mu,—Journalism Fraternity; Gamma Chapter, Alpha Kappa Delta,—Sociology Fraternity; Delta Sigma Rho,—Forensic Fraternity; Ghosts; Mortar Board; Pyrites.

LOCAL SOCIAL FRATERNITIES. Alpha Gamma Sigma; Kappa Alpha; Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Alpha; Sigma Tau.

MUSICAL ORGANIZATIONS. Composers Club; Men's Glee Club; Women's Glee Club; Honorary Music Club; Symphony Orchestra.

RELIGIOUS ASSOCIATIONS. Young Men's Christian Association; Young Women's Christian Association.

MISCELLANEOUS ORGANIZATIONS. Cosmopolitan Club; Forestry Union; Kallimachos,—Library Club; Masquers,—Dramatics; Orchesis,—Dancing.

PUBLICATIONS

The stated publications of the College are issued as numbers of the *Pomona College Bulletin*, which is published monthly (except July and August). These include:

The *Annual Catalog*.

The *Report of the President* and special topical numbers.

The *Register of Alumni*.

The *News Letter*.

The *Journal of Entomology and Zoology* is published under the auspices of the Department of Zoology.

STUDENT PUBLICATIONS

The *Student Life* is published four times a week by the student body and is devoted to current affairs.

The *Metate* is published each year by the Associated Students and contains material appropriate to a college annual.

The *Sagehen*, a magazine of humor, is published four times a year.

The *Hand Book*, which contains material designed especially for new students, is issued at the beginning of the year by the Associated Students.

PHYSICAL ATTENTION

The physical care of students is a matter of special concern to the College and the advantages of unusual attention and opportunity are offered. The climate of Southern California offers out-of-door life the year round. Supervision is given to athletics in all seasons. A regular physician is on the staff of Claremont Colleges, under whose direction every student on entering has a physical examination. Regular work in physical education is prescribed throughout the four years, and courses in Physiology and Hygiene are given. The medical advice of the College physician is ordinarily available free of charge to all students, subject to certain conditions of hours and location of residence; but nursing, surgical dressing and medicines are at the expense of the student. If ill or injured, as is also medical service in chronic or prolonged illness or in case of accident, beyond ordinary first aid emergency treatment. A student is entitled to two days each semester in the College Infirmary without charge for room and meals. For additional days the charge is \$2 a day. *The College, however, reserves the right to discontinue this individual medical service at any time without previous notice.*

The College endeavors to safeguard students in the use of physical facilities, laboratories, athletic fields, and gymnasiums, and to this end the departments have established regulations concerning the use of such facilities, but it is clearly understood that students who use the same do so entirely at their own risk.

ATHLETICS. The direction and financial management of athletics rest with the Director of Athletics, who has associated with him as an advisory body the Athletic Council, composed of the

bers of the faculty and three students. Under the general manager there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed for the alumni into athletic grounds admirably equipped and unsurpassed in the Southwest in beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, the courses of the Indian Hill Golf Club are available, and athletic exercises and field sports are encouraged.

A swimming pool, of the standard size for water polo, and fully equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona enjoy the privileges of the pool at the former institution.

RESIDENCE FOR MEN

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that all not actually living at home will live in the college dormitories and board in Frary dining hall.

Dormitory and dining room privileges are provided only on the basis of an inclusive yearly charge for both board and room, the charge varying from \$425.00 to \$600.00 per year. This charge includes necessary furniture, rugs, bed linen and towels, the laundering of the same and the care of rooms. The only articles to be furnished by the student are blankets and bed spread.

Wiley Hall has both single and double rooms and suites of rooms accommodating two students.

In the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for two students. The other halls have both single rooms and suites.

RESIDENCE FOR WOMEN

It is expected that women students will room in the college residence halls and board at the dining room in Harwood Court. Women are required to reside in Harwood Court. Students living at home or working for room or board may make special arrangements with the Dean of Women.

Harwood Court, in which is included the dormitory known as Wing Hall, and the several College Houses which afford residence facilities, have both single and double rooms as well as

suites. Florence Carrier Blaisdell Hall, the new dormitory for women, has mostly single but also a few double rooms. Each room is provided with the necessary furnishings, including the only articles to be furnished by the student are linen and covers for a single bed.

Dormitory and dining room privileges are provided on the basis of an inclusive yearly charge for both board and room, the charge varying from \$425 to \$600 per year.

EXPENSES

The tuition fee as charged covers only about one-half of the full cost of maintaining Pomona College. The money received from students is supplemented by income from permanent funds and by gifts secured from year to year.

ESTIMATE OF GENERAL YEARLY EXPENSES

	Minimum	Average	General
General Tuition	\$350	\$350	\$350
Board and Room	425	475	600
Books and Fees	30	50	100
Personal Expenses	90	125	250
Total	\$895	\$1000	\$1300

All rooms in the College residence halls are rented for the college year. The charge for rent does not include the use of the halls during the Christmas and Spring vacations, when the halls are closed. The residence halls are opened the Saturday before the opening of the College year and closed the day after commencement.

A deposit of \$25 is required of all accepted candidates for admission, payable within 30 days of acceptance, unless the candidate is participating in the competitive scholarship examination.

All applicants participating in the scholarship examination who do not win scholarships but who wish to remain on the regular list of candidates for admission must deposit \$25 within ten days of the announcement of the awards.

This deposit reserves for the student a place in college. Fifteen

llars is credited on account of his first semester's tuition and a dollars is held as a breakage fee, from which deductions are made for individual and communal damage to college property, any balance being credited to the student's account on graduation or withdrawal.

Failure to make this payment within the specified time results in the removal of the candidate's name from the reserved list for instruction and for housing. This does not affect the eligibility of the candidate for admission, but candidates who are not paid are placed after those who have paid.

Should an accepted candidate who has paid this deposit withdraw by September 1, \$15 will be refunded. After September 1, it will be refunded only if the student's place is taken by some other candidate, or the whole deposit of \$25 may be carried forward as a credit if used within two years.

The College reserves the right to dismiss from a dormitory without rebate any student who becomes a disturbing or undesirable occupant.

TUITION, 1937-38

Regular tuition, including all general privileges, Music Course Ticket, Library privileges, etc., per semester—\$175.00
 Tuition, for students, carrying less than ten units of work, for each such unit, per semester exclusive of above general privileges..... 15.00

A visitor's fee of \$10.00 per course is required from those visiting a course of study.

Laboratory fees range from \$2.00 to \$15.00. The exact fee for each course is stated in connection with the description of that course under *Courses of Instruction*; in advanced courses only fees may exceed \$10.00.

BREAKAGE DEPOSITS

Bacteriology and Plant Physiology, \$5.00 each.

Chemistry, \$10.00 for each course taken.

College Residence Halls, \$10.00.

EXPENSES

APPLIED MUSIC

For those paying regular tuition:

One-half hour private lesson per week, per semester.....\$45.00

Each half-hour in excess of one per week, per semester..... 40.

For those carrying less than twelve hours of college work, exclusive of work in applied music:

One half-hour private lesson per week, per semester..... 60.

Each half-hour in excess of one, per semester..... 40.

Class lessons in applied music, per semester..... 25.

PRACTICE FEES

	Per Semester
PIANO, one half-hour daily, \$3.50; one hour daily.....	\$6.00
GRAND PIANO, one hour daily.....	9.00
GREAT ORGAN, one hour weekly.....	5.00
TWO-MANUAL PRACTICE ORGAN, one hour weekly.....	2.00
PEDAL ORGAN, one hour daily.....	6.00
VIOLIN, CELLO, FLUTE, room without piano, one hour daily	1.50

SPECIAL FEES

Application fee, \$3.50.

Dues for Associated Students, per semester.....\$5.00

This charge is made upon all regular students by action of Associated Student Body. Recognizing the value of the activity supported by this fee, the College requires its payment and reserves the right to approve the budget for which it is spent.

Graduation fee, \$10.00.

Every student expecting to graduate at the end of any semester must so indicate on his registration card for that semester, and must include the graduation fee with the payment of other fees at the time of such registration. Failure to indicate such expectation or thus to pay the graduation fee will automatically exclude from graduation that semester.

BILLS

All College bills are due each semester in advance and must be paid by the student at the time of registration. Payment of room and board on an installment plan may be arranged in conference with the Controller at an extra charge of one dollar each extra payment. No refunds are made to those leaving at the end of the semester except that in the case of those leaving

Before the middle of the semester because of illness one-half of tuition and laboratory fees are refunded and in the case of those dropping out for good cause within a week of their registration all but \$25.00 is returned. No refund is made on a room payment unless the room is re-rented to someone not then rooming in a college residence hall.

Students are not given honorable dismissal nor graduated whose bills are not paid. Seniors must settle all recognized bills and other obligations by four p.m., of the fourth day preceding commencement if they are to receive their diplomas with their honors.

The following prizes are offered for proficiency in the work of several departments:

ART

THE EUGENE C. CRAMER PRIZES: A first prize of \$15.00 and a second prize of \$10.00 awarded for excellence in drawing and design in work presented for the annual exhibition in May. Given by Mrs. Eugene C. Cramer in memory of her husband, who was an artist.

ASTRONOMY

THE MONCRIEFF ASTRONOMY PRIZE: A prize given to the student in the first year course in Astronomy, taken regularly in class, whose interest in the study and proficiency in the observational work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars given by Miss Flossie C. Moncrieff, '11.

ECONOMICS

THE VAILE PRIZES: Prizes for the best essay or oration on the general subject of Agriculture in Southern California open to Junior and Senior classes, were endowed by the late Mr. Charles S. Vaile. At present first and second prizes of twenty and ten dollars respectively are offered.

ENGLISH

THE F. S. JENNINGS MEMORIAL PRIZES: Two prizes of forty dollars each for excellence in English, one for men and one for women, are given at the end of each year to Freshmen taking English A1. In the award of these prizes attention is given to interest shown by the student in improving the quality of his written and spoken English.

GENERAL

THE RENA GURLEY ARCHIBALD HIGH SCHOLARSHIP PRIZE: A prize of fifty dollars to be awarded to that member of the

PRIZES

graduating class taking the B.A. course and ranking highest in scholarship, established by the bequest of the late Reverend Andrew W. Archibald, D.D.

LATIN

THE MUDGE LATIN PRIZES: Prizes for excellence in Latin. First and second prizes of ten and five dollars, respectively, are endowed by friends of the College.

MATHEMATICS

THE LLEWELLYN BIXBY MATHEMATICS PRIZE: A prize for excellence in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15. A prize of ten dollars is given by Mr. Llewellyn Bixby.

MUSIC

THE BARBARA SANFORD ALLEN PRIZE: An annual competitive prize of fifty dollars to be awarded to a student in the department of music, above freshman rank. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

PHYSIOLOGY

THE LORBEER PRIZES: Prizes for the best essay on the subject "How to Keep Well"; open to all who take the course in Physiology. First and second prizes of fifteen and ten dollars, respectively, are offered by Dr. Thomas L. Lorbeer, '03.

PUBLIC SPEAKING

THE KINNEY DECLAMATION PRIZES: A prize declamation contest, open to the members of the Freshman class, occurs near the middle of the year. First and second prizes of fifteen and ten dollars, respectively, are endowed by Mrs. H. N. Kinney.

THE DOLE DEBATE PRIZES: A prize debate for Lower Division men is arranged for the close of the second semester. First and second prizes of fifteen and ten dollars, respectively, established by the late Mr. J. H. Dole in memory of his brother, Mr. W. Dole, are endowed by Mr. J. Albert Dole and Mr. A. M. Dole.

THE KNEELAND ORATORY PRIZES: A prize oratorical contest open to Lower Division men of Pomona College and men of the Southern California Junior Colleges of the Eastern Division held during the second semester. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

THE KNEELAND DEBATE PRIZES: A prize debate open to Upper Division men is to be held for the first time toward the close of the second semester of 1936-1937. This debate replaces the former Kneeland Upper Division Oratorical Contest. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

WHEELER PRIZES: The opportunity to compete for a first prize of seventy-five dollars and a second prize of fifty dollars in speeches of their own composition is offered to Upper Division men. The judges have the right to distribute the prize in any other way than in the sums indicated, or to withhold all prizes if they feel warranted in so doing. These prizes were endowed by the late S. H. Wheeler.

RELIGION

HAGER PRIZES: Prizes for the best essays on a foreign literary subject, open to all students were endowed by the late Mr. and Mrs. C. R. Hager. At present first and second prizes of twenty and ten dollars respectively are offered.

DEPARTMENTAL SCHOLARSHIPS

ART

HANNAH TEMPEST SCHOLARSHIP FUND OF \$5,000. Income is divided equally between a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

MILITARY

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrolment in the advanced course of the Reserve Officers' Training Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a six weeks' summer training camp. In consideration of this agreement, students receive from the government cash allowances equivalent to scholarships of \$100.00 per year. All necessary expenses in connection with summer camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrolment is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units of preparatory schools will be given consideration in the selection of those to whom these scholarships will be awarded.

MUSIC

KATE CONDIT BRIMHALL MEMORIAL MUSIC SCHOLARSHIP of \$2,000. Given by the late Mr. and Mrs. A. P. Condit.

PHYSICS

RICHARD P. EDMUNDS MEMORIAL FUND provides a scholarship of full tuition for an upper division man student (prefer-

ably one who has attended during the first two years) nominated to the Scholarship Committee by the Professor of Physics near the close of each scholastic year for use the following year.

SPECIAL SCHOLARSHIPS

KAPPA DELTA HONOR SCHOLARSHIP ENDOWMENT OF \$2,032. Given by members of Kappa Delta Fraternity.

The income from this endowment is supplemented by individual pledges to yield a scholarship of \$250, administered under special committee. Awarded to a man at the beginning of his senior year.

THE FLORA SANBORN PITZER MEMORIAL SCHOLARSHIP. \$500 year from The Sanborn-Pitzer Foundation established by Russell K. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

THE MALCOLM EVERSOLE MEMORIAL FUND provides a scholarship of full tuition for a man in the Junior Class to be nominated to the Scholarship Committee by the President of the College at the end of the nominee's second year in Pomona College. The selection will be based not on scholastic rank only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character.

GENERAL COMPETITIVE SCHOLARSHIPS

All General Scholarships in Pomona College are competitive and are awarded in three groups: (1) to entering Freshman students, (2) to Junior College transfers, and (3) to resident tricollegiate students. The general and respective terms of awards are stated in the following paragraphs.

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to make awards only to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in college community.
- (3) Physical vigor as shown by interest in outdoor sports or in other ways.

The preferred applicant will excel in all three of the categories listed, but in the absence of such preferred combination the committee may select an applicant who shows distinction in two over an applicant who shows a lower degree of promise in excellence in all. In any case interested participation in activities

h sustain physical well-being constitutes an essential qualification, though superior skills and excellence in such matters are given undue weight.

Before making application to the Committee on Scholarships, applicants who are not matriculated students in Pomona College must file application for admission to the College with the Committee on Admissions (fee \$3.50). In the case of freshmen it is rarely expected that they will not have attended any other college or university. Exceptions to this rule require special committee action. Each applicant for a scholarship shall be endorsed by the head of the school from which he comes, and will be required to take competitive examinations. The examinations for freshmen will be held on Saturday, December 4, 1937. The examinations for Junior College transfers will be held on Saturday, March 12, 1938. The Committee on Scholarships reserves the right, in case of doubt, to require further, any special evidence, by examination or interview, which it may deem necessary to determine the candidate's fitness.

SCHOLARSHIPS FOR NEW STUDENTS

FRESHMEN

From the General Competitive Scholarships the following are available for candidates for admission to the Freshman Class for academic year 1938-39, half of the stipend being available for the first semester and half for the second:

Four Scholarships of Five Hundred Dollars each, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Dollars each, open to both men and women; two from the Thomas J. Dowling Fund and two from the Margaret Burton Harwood Memorial Fund.

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women: One of these is from the Henry G. Brainerd and Fannie Howard Brainerd Memorial Fund.

For the two following groups, the award becomes available to defray the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory:

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women.

Four Scholarships of One Hundred Fifty Dollars each, two for men and two for women, who are nominated for the same by the California Scholarship Federation.

Applications for above freshmen scholarships, 1938-39, shall be made on regular scholarship application blanks and should be filed with the Committee on Scholarships by November 15, 1938. The examinations are held on Saturday, December 4.

Announcement of awards will be made on or before February 15, 1938.

JUNIOR COLLEGE TRANSFERS

From the General Competitive Scholarships the following are available for candidates from Junior College men or women entering the academic year 1938-39, half of the stipend being available for the first semester and half for the second:

One scholarship of Three Hundred Dollars, available to incoming transfers from junior college on the Margaret Burton Harwood Memorial Fund.

Two scholarships of One Hundred Fifty Dollars each, available to incoming transfers from junior college.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory.

Two scholarships of One Hundred Fifty Dollars each, available to incoming transfers from junior college, who are recommended for the same by Alpha Gamma Sigma.

Five scholarships of One Hundred Fifty Dollars each, available for incoming students of sophomore or junior standing from among the best qualified applicants for admission.

Applications for above advanced standing scholarships shall be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before March 12. The examinations are held on Saturday, March 12.

Announcement of awards will be made on or before June 15.

SCHOLARSHIPS FOR MATRICULATED STUDENTS

Twenty-one awards of One Hundred Fifty Dollars each are available on a semester basis for matriculated students, men and women, in any class, during the academic year 1937-38. Of these fifteen are from the Olivia Phelps Stokes Scholarship Fund and three are from the Margaret Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the first semester and ten for the second semester, either upon application to the Committee or upon selection by the Committee from the whole number of those eligible.

ships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships should reach the Committee on Scholarships before May 15th for the first semester of the following academic year and before January 15th for the second semester of the current academic year.

FELLOWSHIPS

The following award may be made for 1938-39 if qualified candidates appear. Applications should be in the hands of the Committee on Scholarships by February 1, 1938.

The WILLIAM LINCOLN HONNOLD FOUNDATION fellowship has a stipend varying from eight hundred to fifteen hundred dollars, as determined by the committee of award, according to circumstances; open normally only to students who have done full years of work in Pomona College, who are rated in the top half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to continue their studies either in Claremont Colleges or elsewhere in California or abroad.

If the student selected waives the emolument, the stipend is paid to the candidate next in rank, while the first student is designated Honorary Honnold Fellow for the year.

The appointment will be for one year, but satisfactory work and conduct may earn a renewal, so that a really successful candidate may enjoy the fellowship for two or possibly three years, at the same time a new appointment may be made from the graduating class each successive year.

The prime purpose of the fellowship is to promote original and creative achievement in the candidate's chosen field of activity rather than merely to reward faithful classroom work. The selection will be based not on scholarship only but on the possession of personal qualities which indicate a high degree of promise and a student of outstanding character. The plans for graduate work are to be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority.

At the end of each year of tenure, each Honnold Fellow must make a full report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been residing, his plans for the immediate future,

and recommendations for the further development or improvement of this fellowship plan.

OTHER AWARDS

The Committee on Scholarships also nominates students of Pomona College who wish to apply for awards by other institutions and foundations. Those who seek nomination to the Rhodes scholarships should advise with the Committee on Scholarships.

GRANTS IN AID

The income of certain funds is supplemented by a budget appropriation to be used in helping to pay the tuition fees of students who are in need of financial assistance. Such aid is given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in attendance upon college exercises, and who maintain, after the first semester of the Freshman year, at least "C" grade in scholastic work.

Aid may be withdrawn at any time from students who do not conform to the conditions.

The college desires that no student who is doing good should ever withdraw for purely financial reasons.

Recipients of grants in aid may be asked to render service to the College in exchange.

If a student who has received a grant in aid transfers to another institution before graduation the total sum granted by Pomona College shall become a loan, repayable according to the terms applicable to regular student loans.

All applications for aid should be made before July 1 for the first semester and before January 15, 1938 for the second semester of the academic year 1937-38. Address Committee on Student Aid, Sumner Hall.

STUDENT AID FUNDS

GENERAL

THE FRANCIS BANCROFT MEMORIAL FUND, \$1,500. Given by Mrs. James T. Ford of Los Angeles, California, in memory of her father.

THE BARROWS FUND OF \$2,500. Given by L. H. Barrow of Pasadena, California.

THE H. G. BILLINGS MEMORIAL FUND, \$1,000. Given by

A. Billings of Los Angeles, California, in memory of her husband.

THE FLORENCE G. BIXBY FUND, \$5,000. Given by Florence G. Bixby of California.

THE BRISTOL MEMORIAL FUND, \$400. A fund raised as a memorial to the Reverend Sherlock Bristol.

THE BESSIE A. BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Annie E. Brown of Los Angeles, California, in memory of Bessie A. Brown.

THE HENRY HERBERT BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of her son.

THE CLASS OF 1918 FUND OF \$961.78. Given by the Class of 1918.

THE CHARLES C. CRAGIN MEMORIAL FUND, \$5,025. Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles Cragin.

THE AGNES K. CRAWFORD MEMORIAL FUND, \$1,000. Given by David R. Crawford and William Crawford, in memory of their mother.

THE GELL CLUB OF POMONA STUDENT AID FUND, \$1,000. To help, preferably, a girl.

THE ELWOOD FUND OF \$2,600. Given by Mary E. Elwood of Upland, California.

THE FORD FUND OF \$2,500. Given by Rev. James T. Ford of Los Angeles, California.

THE FOWLER FUND OF \$1,000. Given by Mrs. Margaret Fowler Pasadena, California.

THE ORREN A. GORTON FUND OF \$5,000. Established by the will of Orren A. Gorton of Sherburne, New York.

THE EMMA K. GUILD FUND OF \$44,337.14. Given by Emma K. Guild of Claremont, California.

THE MANETTE HAND MEMORIAL FUND OF \$1,500.

THE ALFRED JAMES HARWOOD MEMORIAL FUND, \$8,000. Given by Alfred P. Harwood of San Dimas, in memory of his son.

THE CHARLES E. HARWOOD FUND OF \$5,000. Given by Charles E. Harwood, LL.D., of Upland.

THE THOMAS F. HOWARD "MEMORIAL SCHOLARSHIP FUND," \$500. Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.

THE MARY MARVIN JAMES FUND OF \$296.93. Given by Mary Marvin James of Pasadena, California.

THE KUNS FUND OF \$2,000. Given by Henry L. Kuns of La Verne.

THE LOOMIS FUND OF \$2,000. Given by Miss Jean Loomis, '97.

THE HOWARD J. MILLS MEMORIAL FUND OF \$3,000. Given by

Mrs. Howard J. Mills of Los Angeles, California, in memory of her husband.

THE ONTARIO CONGREGATIONAL CHURCH FUND, \$186.50. Given by the Ontario Congregational Church towards the endowment of a fund.

THE PAGE FUND OF \$5,000. Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may some time be used for other purposes.)

THE ARTHUR WARREN PHELPS MEMORIAL FUND, \$2,000. Given by Mrs. C. S. Phelps and Mr. C. A. Phelps, in memory of the son and brother.

THE LYDIA PHELPS MEMORIAL FUND, \$4,000. Given by Hiram E. Phelps of Ontario, California, in memory of his wife.

THE PILGRIM CHURCH OF POMONA FUND, \$1,667.44. Given by the Pilgrim Congregational Church of Pomona.

THE PILGRIM CHURCH WOMEN'S AUXILIARY FUND, \$500. Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.

THE JOHN D. POTTER MEMORIAL FUND, \$2,000. Given by Mr. S. T. Potter of Westboro, Massachusetts, in memory of his husband.

THE SEARING FUND OF \$1,800. Given by Dr. Anna H. Searing of Escondido, California.

THE WALTER O. SHATTO MEMORIAL FUND, \$4,000. Given by Mrs. Clara R. Shatto in memory of her husband.

THE CLYDE H. SHIELDS MEMORIAL FUND, \$1,200. Given by R. P. Shields of San Diego, in memory of his oldest son, who was drowned in 1894, when about twenty-one years of age.

THE SWEET MEMORIAL FUND OF \$2,500. Given by Harlan Sweet in memory of his wife, C. Nell Sweet.

THE THATCHER FUND OF \$6,000. Given by Miss Susan Thatcher of San Diego.

THE WARDWELL FUND OF \$1,000. Given by Mrs. Maria T. Wardwell of Plymouth, Connecticut.

THE CLARA B. WATERMAN MEMORIAL FUND OF \$5,000. Given by Miss Rosa May Bennett of Los Angeles.

THE WEST FUND OF \$2,000. Given by Henry S. West of Los Angeles.

SPECIAL

"CROMBIE ALLEN SCHOLARSHIP FUND" OF \$1,000, half of income available annually to a graduate of *Chaffey Union High School* and half to a graduate of *Chaffey Junior College*, Ontario, California.

THE MARTHA E. BERRY MEMORIAL FUND OF \$6,000. Given by Miss Elizabeth E. Berry. For foreign students.

THE MABEL S. BRIDGES MEMORIAL FUND, \$3,500. Given by Mr. and Mrs. A. S. Bridges of San Diego, California, in memory of their daughter. Available for women.

"ALICE PAUL HARWOOD SCHOLARSHIP FUND" OF \$5,000. Open to graduates of *Chaffey Union High School* of Ontario.

"STELLA M. KING SCHOLARSHIP AND LOAN FUND FOR WOMEN," \$10,000.

Three grants-in-aid, provided annually by REVEREND M. D. KNEELAND, D.D., of Claremont, of \$200 each, are available for bona fide new candidates for professional Christian service, either in the pastorate or in foreign mission fields—\$150 for the first semester and \$50 for the second.

THE FRANCIS M. PRICE FUND OF \$1,000. For children of missionaries.

LOAN FUNDS

The College also administers loan funds established by the bequest of Ellen H. Lyman and by George H. DeKay, Jr., in memory of his brother Frelin Campbell DeKay. By means of these funds, it is possible to co-operate in a moderate way, and temporarily, with the pressing needs of students.

THE RAY LOAN FUND made possible by the gift of \$1,000 by Mrs. E. F. Ray provides a means of meeting situations of temporary need.

THE LUCY B. JENCKS MEMORIAL STUDENT LOAN FUND OF \$160, established by the Claremont Chapter of the D.A.R., available for a senior girl to be designated by the Dean of Women.

For more substantial loans over a longer period, the College administers the following funds on an interest bearing basis:

THE CAROLINE PHELPS STOKES FUND, endowed in the sum of \$25,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister.

THE ETHAN ALLEN CHASE AND AUGUSTA FIELD CHASE MEMORIAL FUND OF \$5,000, for men.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

SELF SUPPORT

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many are thus helping themselves by various forms of labor such as janitor work, waiting on tables, general house work, gardening and the like. The most desirable positions are in general secured by superclassmen who have proven themselves good workers and good students, and those coming to the College for the first time

should be content if any work which they can satisfactorily do secured for them. Students in any case should come prepared to pay all bills for at least one semester. Their record during the semester will be a large factor in deciding what opportunities for self-help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

The National Youth Administration program provided Pomona College during the year 1936-37 the sum of \$1215 per month, which was earned by needy students assigned to socially desirable tasks. Students were permitted to earn an average \$15 or a maximum of \$20 per month.

ADMISSION

PREPARING FOR COLLEGE

The College welcomes tentative applications from prospective students a year or so in advance and is glad to offer suggestions regarding the best preparation for admission.

Any person interested in preparing for Pomona, or any Principal, Vice-Principal or Counsellor who is responsible for directing the preparatory programs of students is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific programs. It is often possible for students to select work in their final high school years that will add greatly to their ability to do college work. The Director of Admissions is glad to cooperate with the preparatory schools in planning satisfactory programs for any individuals, whether or not they are Pomona College applicants.

Anyone interested may have his records evaluated at any time. By having this done early subsequent admission difficulties may be avoided.

For further information, write to Director of Admissions, Sumner Hall, Pomona College, Claremont, California.

GENERAL REQUIREMENTS AND METHODS OF ADMISSION

Inasmuch as the College expends on its educational work twice as much as it receives from tuition fees, thus making an investment of some three or four hundred dollars a year in every student admitted to its halls, the College naturally is justified in rendering this service only to those who are properly qualified to profit thereby both in their own development and in their subsequent service to society.

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments. Any student who falls below grade in scholarship may be asked to withdraw.

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the fullest participation in the college atmosphere and life. It is important, therefore, that all absence through the college year should be avoided. Some of the most important of the college values are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

It is the purpose of Pomona College to do a distinctly high grade of work, thus preparing its graduates for special achievement in whatever later callings they may choose. While Pomona College emphasizes the value of a broad general training as preliminary to the highest achievement in any professional field, it offers such a variety of courses that many students readily find the desired combination which constitutes a definite and adequate preparation for later professional training in a special field such as medicine, law, engineering, scientific research, religious or social service, teaching or other fields. Candidates for admission are expected to present satisfactory evidence of their fitness for college, both in character and in scholarship.

Formal application should be accompanied by a fee of \$2.50 for 1937-38, or \$3.50 for 1938-39.

A medical examination conducted by an authorized physician, under the direction of the College, is required of all students.

An applicant for admission, immediately upon receipt of notification of acceptance, is required to make a deposit of twenty-five dollars. See page 32.

ADMISSION TO FRESHMAN STANDING

Applicants are admitted to freshman standing in accordance with one of the following plans:

- I. Certificate of graduation from an approved secondary school showing either:
 - A. Fifteen recommended units accumulated during the 9th, 10th, 11th and 12th grades; or

- B. Twelve recommended units accumulated during the 10th, 11th and 12th grades.

Plan II. Certificate of graduation from an approved secondary school showing either:

- A. Twelve recommended units accumulated during the 9th, 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
 - 1. A personal letter from the proper official of the school from which the candidate graduated, or graduating; and
 - 2. A satisfactory achievement in specified scholastic aptitude tests; or
- B. Nine recommended units accumulated during the 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
 - 1. A personal letter from the proper official of the school from which the candidate graduated, or graduating; and
 - 2. A satisfactory achievement in specified scholastic aptitude tests.

Note: Certificate of having successfully passed examinations as given by the College Entrance Examination Board will be accepted as the equivalent of secondary school units in subjects covered by such examinations. These examinations are given at stated times and places; information regarding details may be secured from the Director of Admissions.

Plan III. Examination by the College.

ADMISSION TO ADVANCED STANDING

Students who transfer from a Junior College, or from another College or University, and who have sufficient credit therefrom are admitted to advanced standing on credentials signed by the proper officials. These credentials should give full particulars regarding the nature of the courses taken, the time spent in each and the student's final grade in the same.

THREE YEAR PROGRAM FOR JUNIOR COLLEGE GRADUATES

Recognizing the increasing demand on the part of many Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to the

ter's degree rather than a two-year program leading only to Bachelor's degree, Pomona College calls the attention of e interested in such a procedure to the general statement on 74 and the subsequent departmental exhibits of upper divi- and graduate studies.

ENTRANCE SUBJECTS

he only specific requirement is at least 3 units of English. In tion to this, applicants will find it advantageous to present following: at least 2 units of one foreign language; 1 unit of history, algebra, geometry, and laboratory science; and 3 ore units of electives from the following subjects: English, gn language, history, mathematics and laboratory science. or advanced work in most fields, a reading knowledge of at one modern foreign language is necessary, usually French or nan. In some fields, a command of both is desirable. It is much to the advantage of the student to acquire this reading vledge before entering college. Students who are planning to dvanced work in the Physical Sciences or in Mathematics, do well to take both Trigonometry and Solid Geometry in a School if possible.

ADMISSION AS SPECIAL STUDENTS

ature students, particularly those equipped for advanced es in special departments, may be admitted as special stu- s to courses for which, by ability and preparation, they may eted. Special students are not candidates for a degree.

PRE-REGISTRATION AND REGISTRATION

n appointed days, on or before the first Saturday in June, *all ent students must fill* out a schedule listing their choice of cts for the following year.

ew students prepare a program of study on announced days e opening of each semester.

gistration is completed by the payment of tuition and fees e of the regularly announced days preceding the opening of lass work of each semester.

e fee for late pre-registration or late registration is \$2.00 for rst or second day following the appointed days, and \$1.00 onal for every day thereafter to a maximum of \$10.00.

CHANGES IN REGISTRATION

student has the privilege of modifying his schedule of studies

by addition or substitution of courses, with the assent of his adviser and the instructor concerned, at any time within two weeks of the beginning of class work for the first semester, one week for the second semester. A student may drop a course, with the consent of his adviser and without penalty, within a month following the beginning of class work. Thereafter, the dropping a course by a student shall entail for him a grade of FF for the course, except as circumstances may, in the judgment of the instructor and the Classification Committee, warrant a different grade.

The fee for each change of schedule is one dollar (\$1.00). This is waived in the case of new students, registering for the first time.

Students are admitted to those courses only for which they have formally registered.

Students are not received later than two weeks from the beginning of class work.

MATRICULATION

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end, the standing of all new students is provisional until after they have been in residence for one semester. At that time those are matriculated who have shown themselves in accord with the standards of the College and who have done a satisfactory quality of work during their semester of residence.

Matriculants must have carried the work of their first semester of residence without incurring any FF grades, and they must, if Freshmen, have earned at least 24 grade points, and if Sophomores or Upperclassmen, at least twice as many grade points as the number of units for which they were registered. Students in any class carrying less than 12 units must have made twice as many grade points as the units for which they were registered.

Students failing to matriculate at the end of the first semester of residence may be matriculated only after they have met all requirements for two semesters.

Students are not candidates for a degree nor are they eligible for recommendation to college standing in another institution until they have matriculated. All students must be matriculated before attaining to Junior standing.

SUPERVISION OF SCHOLARSHIP

ount:

The College regulates the amount of work a student may carry follows:

5 or 16 units of academic work, exclusive of Physical Education (Gymnastics, Sports, Activities*) Military Drill* and Choir,* is the general registration and the maximum for Freshmen.

To register for 17 units, exclusive of work stated in the preceding paragraph, a student must have earned 32 more grade points than the total number of units for which he registered the previous semester; to register for 18 units, 40 more grade points.

To register for less than 12 units of academic work requires special permission.

lity:

A student is expected to secure each semester twice as many grade points as the total number of units of registration.

At the end of the first month of each semester, and also at or about the middle of each semester, a report is made of all students doing failing or unsatisfactory work for the period preceding the date of the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good scholastic standing. Advisers and deans receive such reports and take such steps as are advisable in each individual case.

At the end of each semester a complete report is made on every student. This report becomes part of the student's record and indicates the semester's standing in the courses for which he has registered.

Whenever the quality of a student's work declines to such an extent that his graduation in due course seems improbable, he and his parents are so informed, and he is advised to withdraw. Decision in every such case is reached by the joint action of the College Life and Classification Committees in consultation with the student's adviser. The college may at any time require the withdrawal of a student if the quality of his work seems to warrant such action.

—
The semester hour value of each of these is as follows: Phy. Ed., $\frac{1}{2}$ to $1\frac{1}{2}$; Drill, $\frac{1}{2}$; Choir, 1.

Withdrawing From a Class:

Students may withdraw from classes only through authorization from the Recorder's Office. This authorization is sent the office directly to the instructor.

Faculty Dropping Students:

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at any time later than six weeks from the beginning of the course. The student's class card, with a grade of either FF or W for the course and an annotation reporting the fact of his having been dropped, shall be turned in to the Recorder's Office.

Class Attendance:

Students are expected to maintain regular attendance at class appointments in the courses for which they are registered. Irregular attendance usually results in low scholastic standing or failure.

While there is no general college requirement, each instructor has the right to establish such specific regulations regarding attendance as may seem best suited to his particular department.

Final Examinations:

Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty.

The schedule of final examinations is prepared by the Council of Study Committee. No changes of classes from this schedule may be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee upon the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Classification Committee.

A teacher may, at his discretion, appoint a time at which an announced test missed or not passed may be made up. Before such a test can be taken, a receipt from the Business Office for payment of a fee of one dollar (\$1.00) must be presented to the teacher by the student, unless this fee is remitted by the Classification Committee.

Field Trips:

Field trips are looked upon by the faculty as a legitimate

f certain courses. Permission for such trips is secured by instructors from the Courses of Study Committee at the opening of each semester. Instructors certify to the Recorder's Office the names of students participating in these trips.

Eligibility:

Students are required to maintain a satisfactory standard of excellence in all their studies in order to represent the College on any of its athletic teams or other organizations coming before the public.

SUPERVISION OF CONDUCT

In the government of the College, the largest liberty consistent with good work and orderly conduct is allowed. Students are expected to show both within and without the College such respect for order, morality, personal honor, and the rights of others as good citizenship demands. Failure to do so will be sufficient cause for removal from the College.

Any student who for any reason, in the judgment of the faculty or of its proper committees, is felt not to be a desirable member of the student body, may be dismissed without specific charges.

The use or possession of alcoholic liquors of any kind whatsoever on the campus is prohibited by the College, and the off-campus use of such may subject the student to the application of the foregoing paragraphs.

The Committee on College Life exercises the authority of the college over all students individually with respect to personal conduct, and over student organizations which bear the name of the College, or which represent the College in any way.

Individual or collective student enterprises which involve the presence of the participants from the College, while using the college name, must receive the official sanction of the Committee on College Life.

AUTOMOBILES

While the College does not prohibit students from having automobiles in Claremont, it does exercise control over their use, and that end has established the following regulations:

Student drivers must at all times, both on and off the campus, exercise particular care and consideration for the safety of themselves and others.

Student drivers must acquaint themselves with the state and local traffic laws and comply with their observance.

Students driving cars in Claremont are required to carry public liability insurance in the amount of ten and twenty thousand dollars in approved companies. Such an insurance policy extending beyond the end of the college year, together with the license number of the car, must be deposited with the office of the Dean of the College at time of registration or within three days after the car is driven in Claremont.

Failure to comply with the above regulations shall constitute an offense against the College, the penalty for which may include sequestration and storage of the car at the student's risk and expense for a period not beyond the end of the semester in which the offense occurs.

REQUIREMENTS FOR DEGREE

Pomona College awards but one academic degree, that of Bachelor of Arts, which may be attained either in ordinary or in honors. The special procedure in honors study is given on page 50. The following requirements apply to all students.

UNIT REQUIREMENTS

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation or lecture period, or one laboratory period a week for one semester. A recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in four years one must take an average of fifteen units of academic work throughout.

GRADE POINT REQUIREMENTS

In order to graduate a student must not only earn a certain number of units, but also attain an average of at least C grade in those units. To this end a certain number of grade points is ascribed to each grade as a basis of determining average grade. The scale is so adjusted that the number of credits required for graduation coincides with double the number of units.

GRADES AND GRADE POINTS

1. Grades and grade points are as follows:

Grade points per unit

A	4	(excellent)
B	3	(very good)
C	2	(average)
D	1	(passing)
F	0	(failure) may be made up to a "D" outside of class
FF	0	(failure) may not be made up except by repeating course
I (Incomplete)		
W (Withdrawn with permission while work was of passing grade or better)		

2. The F grade and the FF grade both indicate a failure. In the case of the F grade the failure incurred may be made up outside of class upon conditions laid down by the teacher, provided these conditions are met on or before the first day after the Spring vacation, if the failure is incurred in the first semester,* or on or before the first day of recitation of the next College year, if the failure was in the second semester. An F grade made up thus may not be raised above a D grade. An F grade not so made up remains permanently upon the records as a failure. A FF grade can be made up only by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated when next offered. A student may not continue with work in which he has received a FF. The making up of work which has received the F or FF grade does not expunge the grade from the record. It does not permit credit and "grade points" for the course.

All F and FF grades reported by teachers are accompanied with a specific statement in writing of the cause for the failure and a detailed statement in case of the F grade of the work necessary for its removal. A copy of this statement is mailed to students.

3. The I mark is given where illness on the part of a student justifies the granting to him of additional time for the completion of his work. It may be changed upon the same conditions as those laid down for the making up of the F grade, with this exception, that other than a D grade may be thus earned.* Teachers wishing to give an I grade for other justifiable cause than illness must first receive permission to do so from the Classification Committee.

4. The mark W is used where a student has withdrawn from a course in accordance with provision on p. 52.

F or I grades incurred during the first semester of year courses, may be removed on the recommendation of the teacher concerned, by the successful completion of the work of the final semester.

MANUAL OF PROCEDURE IN HONORS STUDY

PURPOSE OF HONORS STUDY

A student who shows capacity for more than average intellectual achievement is permitted during junior and senior years to study for the bachelor's degree with honors. Such a student pursues a definite program looking toward the mastery of a major subject and the understanding of one or two minor subjects, particularly in their relations to the major. The elements of the honors program thus form a significant pattern of integrated study in two or three departments of a Division of the curriculum. Honors work affords the student to whom college is primarily an intellectual experience the opportunity for more independent study through a more flexible use of courses. Released from as much of academic routine as his instructors may approve, an honors candidate assumes responsibility for a profounder and broader knowledge of his chosen field than is expected of an ordinary student.

Honors study, begun at Pomona College in 1924, has been, since the academic year 1927-28, the only procedure for attaining the degree with honors. Beginning with September 1936 this manual replaces all previous regulations with respect to candidacy for the degree with honors.

REQUIREMENTS FOR CANDIDACY

A student may be admitted to candidacy for honors on the basis of a record which shows promise of competence to do honors work. It is expected of such a candidate (a) that he exercise initiative and self-administration in his work; (b) that he put scholarship consistently first among his interests; and (c) that he maintain a high standard of scholarship in the Division wherein his honors program lies, and a satisfactory record in his other work. He is encouraged to utilize vacations in part for reading and study. Candidacy for the degree with honors may be continued only so long as the candidate maintains a quality of work and an attitude such as will justify his Division in recommending him for the degree with honors at graduation.

ADMINISTRATION

General administration of honors work is vested in the Committee on Honors. Each Division of the Faculty approves the

programs of its candidates, supervises their work, and administers the senior honors examination within the Division. Upon recommendation by the Division, the Committee on Honors may certify to the Recorder candidates for the degree with honors.

REGISTRATION

I. FRESHMAN AND SOPHOMORE ASSOCIATES

A Freshman or Sophomore may associate himself with the honors group of the College by making a declaration of intention upon his registration card, with the approval of his adviser. Freshman and Sophomore Associates are invited to attend occasional group meetings of candidates for honors.

II. REGISTRATION FOR DIVISIONAL HONORS

Normally at the end of Sophomore year and not later than the beginning of Senior year a student may apply for candidacy for the degree with honors. The application form, obtainable from the Recorder, should set forth a program of honors study formulated with the approval of the adviser with whom the student plans to study. The program is subject to acceptance by the Division and Adviser appointed by the Division. The requirements for Divisional Honors are printed elsewhere in the catalogue. Normally the program should include work in one department of major interest and in one or two departments related to the major in the same Division. The student should direct his study toward a mastery of these elements of his program and a understanding of their relations to one another. Evidence of such knowledge is sought in an examination administered by the Division during senior year. Requirements in courses studied outside the Division of honors work are determined by the instructors concerned. Each candidate's program should be filed with the secretary of the Division. Each semester the candidate's registration must be approved (a) by his adviser and (b) by the secretary of the Division. Special programs for honors study in more than one Division must be approved by the Committee on Honors and carried out under an adviser approved by that Committee. The number of curricular hours per semester for which junior registers may be restricted to twelve; for a senior the number of curricular hours may be restricted to twelve or less.

METHODS OF INSTRUCTION

Methods of instruction vary with different Divisions and departments. Requirements with regard to courses, attendance, course examinations, theses, conferences and seminars are determined by the Division or by departments with consent of the Division.

WITHDRAWAL

A student registered for the degree with honors may withdraw from candidacy on favorable action by the Division concerned or by the Committee on Honors in the case of a student with special program. A division itself may withdraw a student from candidacy, and the Committee on Honors may withdraw a student with a special program. In senior year the status of candidate may be changed only with approval of the Committee on Honors. If, for any reason, a candidate leaves the honors status, the Division concerned certifies to the Committee on Honors the credit to which the student is entitled for work done under its supervision.

EXAMINATIONS

A candidate for the degree with honors takes a written Divisional examination toward the end of senior year. Each Division assembles questions from participating departments to form the various parts of the Divisional examination; it determines, in cooperation with the Committee on Honors, the dates for such examinations and conducts them. The candidate writes on the parts of the Divisional examinations which relate to his program of honors work. In the case of a special program including honors work in more than one Division, the candidate takes such other Divisional examinations as are related to his program of honors work. It is proposed through these examinations to take the measure of each candidate's abilities, and to determine the quality and range of his scholarship as revealed in his grasp of the elements of his honors study and their relations to one another. Copies of the examinations are filed with the Committee on Honors for reference and study in relation to honors work.

An oral examination, in addition to the written Divisional examination, may be required of a senior candidate at the discretion of a Division or a department. Such an oral examination is conducted by at least three examiners chosen by the Division, one of whom is the candidate's adviser. In addition to the

aminers the Division, in cooperation with the Committee on Honors, may appoint an examiner from another institution and the Committee on Honors appoints one of its members to attend the examination. The purpose of the oral examination is to supplement the examinations previously taken. In it the candidate is responsible for the entire scope of his honors study.

A candidate taking courses outside of his honors program is subject to the ordinary requirements with regard to examinations in such courses. From examinations in courses included in his honors program he may be exempted at the discretion of the instructors concerned.

HONORS

At the end of senior year the Division concerned recommends to the Committee on Honors the credit to which the candidate is entitled for his honors works and the particular honor, high honor, or highest honor for which in their judgment he has qualified. A student who does not merit honors, but whose credit warrants graduation, will be recommended for graduation in course. His examination by the Division shall be considered as a substitute for the general examination for Seniors in Course.

GRADUATION

In the case of a candidate who qualifies for the degree with honors, the Committee on Honors certifies to the Recorder the credit and to the Faculty the particular honor to be awarded. Each honor is announced on the Commencement program and recorded upon the graduate's diploma.

DISTINCTION IN COURSE

Every senior, excepting candidates for Honors, is required at the end of senior year to take a general examination based on his entire academic course. The results of this examination together with his grade point average are used by the Committee on Honors for recommendation of a qualified student for graduation with Distinction in Course. Such recognition is announced at the Commencement program and recorded upon the graduate's diploma.

GENERAL REQUIREMENTS FOR GRADUATION

DIVISIONS

The departments of the college are organized in three divisions as follows:

I	II	III
Art	Astronomy	Economics
English	Biology	Education
French	Botany	History
German	Chemistry	Physical Education
Greek	Geology	Political Science
Italian	Mathematics	Religion
Latin	Physics	Sociology
Music	Military Science	
Philosophy	Psychology ¹	
Public Address	Zoology	
Spanish		

¹Psychology C107, Educational Psychology; and Psychology D112, Social Psychology, shall count for purposes of distribution in Division III instead of Division II.

²Physical Education A5, Hygiene; C130, Kinesiology; and D131, Physical Deviations, shall count for purposes of distribution in Division II instead of Division III.

DIVISION REQUIREMENTS FOR GRADUATION*

1. 126 units total, including six units of Physical Education Activities, four of which must be taken in the first two years and two in the last two years of the course.
 2. 36 units of C and D courses, of which 24 are to be in one division.
 3. In the other two divisions there are to be a total of 42 units (A, B, C or D), not less than 12 units in either division.
- NOTE: Physical Education Activities and Military Drill are not counted in meeting the division requirements stated above. Applied Art and applied Music units count if they meet regulations governing credits acceptable for graduation.

These General Requirements are designed to protect the student against gross errors in shaping his collegiate program. They intend

*Prior to graduation, all students are required by the laws of the State of California to pass a course or an examination on the Constitution of the United States. This requirement may be met by Political Science A1, B3b, C10, D113a, D114, History B5a, D119, D125.

Those students who have not completed the Constitution requirement for graduation by course or by examination on or before the opening day of senior year will be required to register for a course meeting the requirement during the first semester of senior year, save as exceptions may be made by action of the Classification Committee.

ally leave him a great deal of freedom to shape his course of study according to his interest. In the exercise of this freedom it will be the part of wisdom for him to take advantage of the working organization of the curricular program into sequences of courses, departments and divisions, looking upon these things as aids of which he, as student, may avail himself in the process of securing education. Courses, etc., are, however, merely aids toward, not substitutes for, reading, reflection and independent study.

CHOICE OF SUBJECTS

In the planning of his work the student in Pomona College is given a large range. The only limitations are designed to insure freedom, on the one hand, the breadth of view which may be gained from some study of each of the great realms of knowledge; and, on the other, that concentration along a chosen line of work which will develop power of thought and an actual fund of knowledge in a particular field.

In selecting his courses of study and also in determining his mode of reading the student should have as his fundamental purpose in college to become familiar with the principal phases of the intellectual culture of mankind. This involves the following essential features:

1. Acquaintance with great literature.
2. Comprehension of the principal concepts of natural science, both physical and biological.
3. Familiarity with present-day established conceptions of the social order and an intellectual grasp of contemporary social problems.
4. Some philosophical appreciation of the general nature of the universe and an evaluation of human ideals, both moral and religious.

The student should bear in mind that the divisional and departmental arrangement of courses is primarily for convenience and is intended to limit his own responsibility to acquire a liberal education which will meet the fourfold objective stated above. The extent to which he has succeeded will be to some degree indicated by the results of the general examination in his senior year.

In the evaluation of all academic exercises the quality of English used by the student will be weighed together with the soundness and completeness of his thinking. Before any student is accepted to a division standing he must satisfy a committee of the College of his ability habitually to use English of good quality. A student whose English is persistently unacceptable may therefore be withdrawn from candidacy for a degree at the next ensuing commencement if his deficiency recurs as late as the middle of his senior year. Responsibility for raising the level of a student's habitual use of English lies solely with himself, inasmuch as it is not the policy of Pomona College generally to undertake the teaching of basic secondary school subjects. Students who have weakness in expressing themselves in their mother tongue should bear in mind the value of certain important courses offered by the Department of English.

CONCENTRATION IN SPECIAL FIELDS

For the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and methods of procedure have become established:

1. Lower Division Preparation: There must be sufficient Lower Division (A and B) work in the special field and in allied fields to ensure adequate preparation for carrying successfully the Upper Division work aimed at.

2. Upper Division Requirement: Not less than eighteen hours of Upper Division (C and D) work in the field of concentration; six of these eighteen hours must be of D rank, and six of them must be taken during the Senior year.

3. Foreign Language: For advanced work in most fields a reading knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of both is most desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college.

4. Comprehensive Examination: In most fields the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which his concentration lies.

5. Adviser: That member of the faculty in whose field the student is working intensively becomes the student's official adviser during his Junior and Senior years. It will be well for the student to consult his prospective adviser even earlier in his course.

The application of these ideas involves to such a degree a recognition of differences between fields of learning and between individualities of students that no summary statement of them should be thought of as complete. The attention of those interested in special fields is therefore directed to the more extended presentations of work in various fields together with certain professional courses which are found on the following pages.

Most of the statements made in connection with concentration should be read as suggestions rather than as rigid regulations; the degree of emphasis attached to each such suggestion will be determined for the student by his adviser.

HONORS STUDY IN THE DIVISION OF HUMANITIES (DIVISION I).

Honors study in the Division of Humanities is designed to engage, first, a broad cultural acquaintance with the principal lines of historical development and a selected list of outstanding masterpieces in the fields of learning represented in the division and, second, a thorough knowledge of some field of concentration. A comprehensive examination at the end of the candidate's senior year surveys his success in attaining a divisional breadth of culture and his mastery of the field of his major interest.

Honors work is concerned primarily with a type and a standard of achievement. Accordingly, the Division prescribes no particular method by which the desired end shall be attained but expects an exercise of individual initiative on the part of the candidate in carrying out his program of study. Candidates are encouraged to allocate to honors study the three academic hours each semester allowed under the general rules for honors work in the college. This time may be devoted to a reading program, to a specified problem of investigation, or to original work in a chosen field of creative activity; all work must be undertaken with the approval of the Division and under the direction of an honors adviser. Ordinarily, two-thirds of the comprehensive examination will be devoted to the field of concentration, and for one-half of this section of the examination—a third of the entire honors examination—there may be substituted a research paper or a demonstration of original achievement in the field of language, literature, art, or music.

A student who wishes to engage in honors study should select, preferably at the close of his sophomore year and in no case later than the beginning of his senior year, a faculty adviser, and, with his approval, submit to the Division of Humanities a coherent plan of study for the remainder of his college course.

FINE ARTS

(DEPARTMENTS OF ART AND MUSIC)

Courses in the history, appreciation, and theory of art music are offered by the College as contributions to personal culture, and receive credit toward the Bachelor of Arts degree on the same basis as other academic courses. In the fields of applied music and art technical proficiency is aimed at, with the idea, first, of developing an appreciative taste, and second, of stimulating creative ideas worthy of expression.

APPLIED ART: Students wishing to concentrate in Art as the major subject for the B.A. degree may elect courses in Drawing, Painting, Sculpture and pre-Architecture. A theoretical knowledge of all these fields is desirable and practical work should be taken in two of them. A sense of design and an appreciation of and ability to render form must be exhibited in the basic courses as the foundation for further specialization.

The student will be expected to present his work in the Department Exhibition at the end of each year. In the fourth year a student concentrating in Art will give a separate exhibition of work of that year.

MUSIC: Either theoretical or applied music may be elected as the subject of concentration for the Bachelor of Arts degree. In addition it is also possible to meet the requirements of the State Board of Education for the Special Credential in Music, which qualifies those recommended to teach music in the public schools of the State of California. The student, whether concentrating in music toward the Bachelor of Arts degree, or working toward the music credential should elect the beginning harmony and sight singing courses in his first year, otherwise he will have difficulty in completing requisite courses.

Each candidate for the Special Credential in Music, as well as those pursuing a course of concentration in either applied or theoretical music, must present a satisfactory public recital in his major subject. Other requirements are varied according to the type of credential (Public School Music, Voice, Piano, Organ, Violin, or Special Instruments) which is desired. Complete information as to requirements for these types of credential may be obtained from the Department of Music.

APPLIED MUSIC: The student in applied music will be enrolled for credit toward the Bachelor of Arts degree upon the written recommendation of the Head of the Department of Music. This recommendation is based upon a system of proficiency tests given before examining committees of the music faculty. In addition, the applied music must be accompanied or preceded by first year harmony or sight singing to receive credit. A second year or more of credit is possible when the applied music course is accompanied or preceded by second year Harmony or Advanced Dictation. A minimum of two half-hour lessons weekly is required for which credit of two units is given. Proficiency tests are required only of students in applied music who desire credit toward the Bachelor of Arts degree.

ENGLISH

(DEPARTMENTS OF ENGLISH AND PUBLIC ADDRESS)

The English group functions in three different ways:

1. To persons desirous of proficiency in our mother tongue whether for the sake of apprehending the ideas of others or for the sake of expressing their own, it affords training in reading, writing and speaking.

2. To persons seeking the mental and spiritual culture attendant on the processes of literary appreciation it offers a generous variety of courses.

3. To persons who wish to make English in any of its phases the dominant feature of their collegiate programs it provides opportunity for concentration during the junior and senior years.

To the end that proper organization and direction may be achieved and a desirable breadth at the same time maintained in the programs of students concentrating in English the following objectives are recommended for their guidance:

1. Effective command of the English language, in reading, in writing and in speech.

2. Extended and intensive experience in literary appreciation; interpretation and criticism; original creation.

3. Intelligent acquaintance with the great books of the world. Reading Lists I and II offer guidance supplementary to that afforded by organized courses.

4. A general knowledge of English and American social culture in its historical development.

5. Some understanding of the more significant movements in the field of philosophy, especially as they bear on literature and art.

6. A mastery, the more complete the better, of at least one language other than English. Besides the added understanding of general linguistic problems achieved through such mastery, the intimate contact with a foreign culture entailed in a study of its language has a value attainable in no other way.

Students who have in mind to go on to advanced graduate work in English should recognize from the beginning that the best university standards will demand a thorough grounding in Latin—not less than the full high school course—and a reading knowledge of both French and German.

NOTE: Personal interests of the student — as Music, Art, phases of Social Science, or of Physical and Biological Science—may very properly be accorded such recognition in this program as to entail a sacrifice—at least in part—of one or more of the “objectives” listed.

The minimum formal requirement for concentration in English is 24 hours of satisfactory work in the Upper Division: two C courses and two D courses.

FOREIGN LANGUAGES AND LITERATURES

(FRENCH, GERMAN, GREEK, ITALIAN, LATIN AND SPANISH)

CONCENTRATION IN THE FIELD

A student interested in the synthetic study of the complete field of foreign letters may, under an adviser appointed by the group, pursue work in the various departments of the group, thereby concentrating in the field. Such a student should hold non-credit bearing conferences from time to time with the faculty of the group looking toward a comprehensive examination in the general field of foreign languages and literatures.

CONCENTRATION IN DEPARTMENTS

A student planning to concentrate upon any one of the foreign languages should have begun his study of that language before entering college. Preparatory work in some other language is a distinct advantage.

Although the student is normally expected to concentrate only one of the departments of Foreign Languages, he should acquire as broad an acquaintance as possible in all the other fields of literature represented in the group.

Eighteen to twenty-four hours of C and D work are required in the department concerned, in which at least a B average must be maintained. For a student desirous of doing more specialized work than is possible under the regularly scheduled offerings, the Honors plan presents additional opportunity. At the end of the Senior year a comprehensive examination will be required.

LATIN AND GREEK

Concentration in the Classical Languages is designed to give the student a technical knowledge of the language and literature of his special interest and an appreciation of the life and institutions intimately connected with that literature.

The student of Latin is expected also to have an acquaintance with the Greek language and literature. It is not essential however in the lower division courses of Latin.

ROMANCE LANGUAGES AND LITERATURES

A student expecting to concentrate within the field of Romance Languages and Literatures should be fortified with a knowledge of Latin, and will find it much to his advantage to have begun the study of French or Spanish, or both, before entering college.

Concentration in a Romance Language and Literature is designed to provide: first, a broad general knowledge of both the language and literature of the student's special interest; and second, a considerable knowledge, represented by not less than two years of college work in at least one other language of the Romance field.

A student who is well equipped in foreign language on entering college, is urged to take work in all three of the Romance Languages.

GERMAN

Concentration in German is designed to give the student knowledge of the language and of the German civilization as represented by the best works of literature.

BIOLOGICAL SCIENCES

(DEPARTMENTS OF BIOLOGY, BOTANY AND ZOOLOGY)

OPPORTUNITIES

The location of Pomona College, close to mountain, desert, coastal plain and sea, makes it especially suited to studies of systematic and ecological nature. This assures also an adequate and diversified supply of materials for class and laboratory and for all problems of a morphological or physiological nature. The College, furthermore, possesses a number of special biological collections, notably of plants and insects. The Marine Laboratory at Laguna Beach is an adjunct valuable during the summer session and of use on occasion throughout the year.

CONCENTRATION IN THE DIVISION

A student emphasizing biological science is ordinarily expected to take Biology A1, and Biology B2, followed by an integrated program in either Botany or Zoology or both. A reading knowledge of Spanish and French and a training in the physical sciences are also required according to the needs of the individual.

COURSES PREPARATORY TO:

- 1). Graduate work, looking towards investigation or higher education. Broad foundations in the biological and physical sciences, with liberal selections of advanced courses in the field of concentration, are essential for those who anticipate professional work in biological science.
- 2). Teaching in secondary schools. Teachers of biological sciences and general science need basic courses in as many branches of science as possible. The following are also important: Field Biology, Plant Physiology and Taxonomy, Physiology, Entomology, Genetics and Bionomics.
- 3). Museum work, conservation, nature guide work, field biology. In addition to the basic courses are recommended: Plant Taxonomy, Functional Zoology, Entomology, Special Problems, and Ecology.
- 4). Horticulture, agronomy, landscape art, forestry. For the first two: Plant Physiology, Bacteriology, Entomology, Genetics, Analytical Chemistry, Elementary Physics, Structural Geology. For landscape art: Plant Taxonomy, Freehand and Mechanical Drawing, Surveying, Chemistry, Geology, and Economics. For forestry: Plant Taxonomy, Entomology, Surveying, Plant Physiology.
- 5). Medicine, nursing, laboratory technique, public health, and dentistry. Pre-medical requirements are discussed elsewhere. Inasmuch as medicine is highly biological, a liberal election of Embryology, Histology, Neurology, Functional Zoology is recommended. Work in Entomology, Bacteriology and General Botany is recommended in addition to the above for Public Health.

SUGGESTED PROGRAM

PHYSICAL SCIENCES

(DEPARTMENTS OF ASTRONOMY, CHEMISTRY, GEOLOGY,
MATHEMATICS AND PHYSICS)

The group of Physical Sciences renders through its freshman and sophomore courses two quite distinct types of educational service:

1. For persons who are not intimately concerned with scientific pursuits it offers a general introduction through its courses to modern scientific method, to the philosophic aspects of science, and to the place of the sciences in the general scheme of human affairs, along with the theoretical and descriptive presentation of the subject-matter. Conspicuous among such courses are: Mathematics A1, Physics A1, Chemistry A1, Astronomy B1 and Geology B1.

2. For those who incline toward more emphasis on the physical sciences during their collegiate years, whether for purposes of teaching, or with a view to engaging in commercial enterprise requiring knowledge of physical science, or because of an interest in scientific study for its own sake, the group offers excellent opportunities for concentration.

PREREQUISITES for undertaking concentration in Physical Science:

1. Physics and Chemistry: Fundamental in importance is an understanding of the constitution and value of matter and energy as is ordinarily gained through basic courses in Physics and Chemistry.

2. Mathematics: A practical knowledge of the tools of scientific reasoning acquired in Mathematics is essential. This will be obtained through mathematics courses at least through calculus. It is urged that in planning such work in college complete trigonometry in high school.

3. Foreign Languages: It is highly desirable that the student purposing to concentrate in the Physical Sciences shall acquire reading knowledge of both French and German.

CONCENTRATION: Each one of the departments in the group has its own sequence of courses for the student concentrating in that section of the general field; but it also requires supplementary work in related departments. In addition, there are opportunities for concentration in fields that cross departmental lines. The conditions and implications are too markedly individual, however, to permit of a satisfactory general statement; they must be worked out between the student and his adviser.

SOCIAL SCIENCES

(DEPARTMENTS OF ECONOMICS, EDUCATION, HISTORY,
POLITICAL SCIENCE AND LAW, RELIGION AND SOCIOLOGY)

CONCENTRATION IN THE FIELD:¹ Although emphasis in the program of a student concentrating in the field is placed on an intended sequence of studies in one of the social sciences, it is expected the student will obtain a broad understanding of the content and meaning of the social sciences as a whole. With this in view he will include early in his course at least three of the four basic sciences² in the group. He will maintain a "B" average in the social sciences, will complete 24 units in "C" and "D" courses in the field of which at least 12 must be "D," and will include courses D251 and D252 in the social science of his more intensive study.

FOREIGN LANGUAGE: It is recommended that every student concentrating in the Social Sciences acquire a reading knowledge of French and German. Normally by the beginning of the Junior year or not later than the middle of his Senior year, the student is required to file with his Adviser a written certificate of his ability to read French or German, issued by a member of the faculty in the department who has been designated to examine in those languages.

COMPREHENSIVE EXAMINATION: The work of a candidate concentrating in social sciences culminates in a written comprehensive examination, administered by the Social Science faculty. This examination consists of two parts: (1) a general examination to reveal the candidate's grasp of the broader aspects of the several social sciences and their interrelations, and (2) one or more specialized examinations to test his mastery of the particular social science in which the candidate has studied intensively. Inasmuch as the purpose of the comprehensive examination is to appraise the candidate's integration of the entire range of social studies included in the undergraduate program, the passing of both parts of this examination will exempt the student from final examinations in social science courses at the end of his Senior year.

The following courses offered by the Department of Education are considered to be part of the work of the Social Sciences:
Introduction to Education; History of Education.

SUPPLEMENTARY COURSES: In addition, the courses listed below, together with other approved courses, may form a part of a student's program of concentration in the Social Sciences:

Philosophy of the State; History of Philosophy; Social Psychology.

The attention of social science students is called to certain courses available to them, offered by affiliated colleges in Claremont.

Departmental concentration, or major, is offered in any social science.
Economics B11, History A1, Political Science A1, Religion A1 or C103, Sociology B21.

SUGGESTED PROGRAM

A SUGGESTED PRE-ENGINEERING COURSE

In the belief that the training of a liberal arts college, so essential to men in other professions, is essential to the engineer, Pom has developed a series of courses to enable its graduates to enter upper division work of engineering schools and to graduate therefrom in two years. Men during the first two years will take the same course regardless of the field of engineering contemplated.

FRESHMAN YEAR

Chemistry B3 or A1 and B2.....	6
Mathematics A1	
Mathematics A7 (Engineering Drawing).....	
Foreign Language	
Elective	10

SOPHOMORE YEAR

Economics B11	
Mathematics B15	
Mathematics B9 (Engineering Drawing).....	
Physics B2 and B4.....	
Elective	

Pre-engineering students are advised to take in their Junior and Senior years as many as possible of the following courses.

JUNIOR AND SENIOR YEARS

Mathematics D120	3
Astronomy or Geology	
Economics	
Physics C111 and D109.....	
Mathematics D121	
Physics D220	
Physics D113 Analytic Mechanics.....	

In addition the six weeks' summer course in surveying at Lake should be taken.

Certain subjects have been designated by the Council on Medical Education of the American Medical Association as minimum requirements for entrance to Class A medical colleges. Many of the leading medical schools, however, have requirements well beyond minimum, and from many more applicants than can be accepted, selecting only those who are best prepared and have demonstrated the highest scholastic ability and laudable personal traits. Medical students are advised not to attempt to crowd the minimum requirements into two years of college work, but to build, in the leisurely fashion, a broad educational foundation. Breadth of knowledge in literature, history, and the social sciences, as well as in science, culture, and a thorough grounding in the biological and physical-chemical sciences are the objectives of the premedical course.

Below is outlined a curriculum which meets the requirements for graduation from Pomona College and the entrance requirements of the medical colleges in the United States. It can readily be modified, as regards both science and non-science courses, to meet the specific requirements of any medical school which the student may plan to attend.

FRESHMAN YEAR		JUNIOR YEAR	
	Units		Units
English A1	8	Biology B2a	4
English A1	6	Zoology C117	4
Mathematics A1	6	Chemistry B7	3
Science A1	6	Chemistry C103	6
Physical Science, Div. I or III.....	4	Chemistry C105	2
		Psychology B1	3
English C115	4	Electives, Div. I or III.....	9 or 8
Under all electives.			

SOPHOMORE YEAR		The Chemistry courses may be spread to three years if preferred.
Chemistry B3 and B5.....	10	See note, Chemistry Courses of Instruction.
Chemistry B2 and B4.....	8	
Chemistry B3	6	
Chemistry B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14, B15, B16, B17, B18, B19, B20, B21, B22, B23, B24, B25, B26, B27, B28, B29, B30, B31, B32, B33, B34, B35, B36, B37, B38, B39, B40, B41, B42, B43, B44, B45, B46, B47, B48, B49, B50, B51, B52, B53, B54, B55, B56, B57, B58, B59, B60, B61, B62, B63, B64, B65, B66, B67, B68, B69, B70, B71, B72, B73, B74, B75, B76, B77, B78, B79, B80, B81, B82, B83, B84, B85, B86, B87, B88, B89, B90, B91, B92, B93, B94, B95, B96, B97, B98, B99, B100, B101, B102, B103, B104, B105, B106, B107, B108, B109, B110, B111, B112, B113, B114, B115, B116, B117, B118, B119, B120, B121, B122, B123, B124, B125, B126, B127, B128, B129, B130, B131, B132, B133, B134, B135, B136, B137, B138, B139, B140, B141, B142, B143, B144, B145, B146, B147, B148, B149, B150, B151, B152, B153, B154, B155, B156, B157, B158, B159, B160, B161, B162, B163, B164, B165, B166, B167, B168, B169, B170, B171, B172, B173, B174, B175, B176, B177, B178, B179, B180, B181, B182, B183, B184, B185, B186, B187, B188, B189, B190, B191, B192, B193, B194, B195, B196, B197, B198, B199, B200, B201, B202, B203, B204, B205, B206, B207, B208, B209, B210, B211, B212, B213, B214, B215, B216, B217, B218, B219, B220, B221, B222, B223, B224, B225, B226, B227, B228, B229, B230, B231, B232, B233, B234, B235, B236, B237, B238, B239, B240, B241, B242, B243, B244, B245, B246, B247, B248, B249, B250, B251, B252, B253, B254, B255, B256, B257, B258, B259, B260, B261, B262, B263, B264, B265, B266, B267, B268, B269, B270, B271, B272, B273, B274, B275, B276, B277, B278, B279, B280, B281, B282, B283, B284, B285, B286, B287, B288, B289, B290, B291, B292, B293, B294, B295, B296, B297, B298, B299, B300, B301, B302, B303, B304, B305, B306, B307, B308, B309, B310, B311, B312, B313, B314, B315, B316, B317, B318, B319, B320, B321, B322, B323, B324, B325, B326, B327, B328, B329, B330, B331, B332, B333, B334, B335, B336, B337, B338, B339, B340, B341, B342, B343, B344, B345, B346, B347, B348, B349, B350, B351, B352, B353, B354, B355, B356, B357, B358, B359, B360, B361, B362, B363, B364, B365, B366, B367, B368, B369, B370, B371, B372, B373, B374, B375, B376, B377, B378, B379, B380, B381, B382, B383, B384, B385, B386, B387, B388, B389, B390, B391, B392, B393, B394, B395, B396, B397, B398, B399, B400, B401, B402, B403, B404, B405, B406, B407, B408, B409, B410, B411, B412, B413, B414, B415, B416, B417, B418, B419, B420, B421, B422, B423, B424, B425, B426, B427, B428, B429, B430, B431, B432, B433, B434, B435, B436, B437, B438, B439, B440, B441, B442, B443, B444, B445, B446, B447, B448, B449, B450, B451, B452, B453, B454, B455, B456, B457, B458, B459, B460, B461, B462, B463, B464, B465, B466, B467, B468, B469, B470, B471, B472, B473, B474, B475, B476, B477, B478, B479, B480, B481, B482, B483, B484, B485, B486, B487, B488, B489, B490, B491, B492, B493, B494, B495, B496, B497, B498, B499, B500, B501, B502, B503, B504, B505, B506, B507, B508, B509, B510, B511, B512, B513, B514, B515, B516, B517, B518, B519, B520, B521, B522, B523, B524, B525, B526, B527, B528, B529, B530, B531, B532, B533, B534, B535, B536, B537, B538, B539, B540, B541, B542, B543, B544, B545, B546, B547, B548, B549, B550, B551, B552, B553, B554, B555, B556, B557, B558, B559, B560, B561, B562, B563, B564, B565, B566, B567, B568, B569, B570, B571, B572, B573, B574, B575, B576, B577, B578, B579, B580, B581, B582, B583, B584, B585, B586, B587, B588, B589, B590, B591, B592, B593, B594, B595, B596, B597, B598, B599, B600, B601, B602, B603, B604, B605, B606, B607, B608, B609, B610, B611, B612, B613, B614, B615, B616, B617, B618, B619, B620, B621, B622, B623, B624, B625, B626, B627, B628, B629, B630, B631, B632, B633, B634, B635, B636, B637, B638, B639, B640, B641, B642, B643, B644, B645, B646, B647, B648, B649, B650, B651, B652, B653, B654, B655, B656, B657, B658, B659, B660, B661, B662, B663, B664, B665, B666, B667, B668, B669, B670, B671, B672, B673, B674, B675, B676, B677, B678, B679, B680, B681, 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B848, B849, B850, B851, B852, B853, B854, B855, B856, B857, B858, B859, B860, B861, B862, B863, B864, B865, B866, B867, B868, B869, B870, B871, B872, B873, B874, B875, B876, B877, B878, B879, B880, B881, B882, B883, B884, B885, B886, B887, B888, B889, B890, B891, B892, B893, B894, B895, B896, B897, B898, B899, B900, B901, B902, B903, B904, B905, B906, B907, B908, B909, B910, B911, B912, B913, B914, B915, B916, B917, B918, B919, B920, B921, B922, B923, B924, B925, B926, B927, B928, B929, B930, B931, B932, B933, B934, B935, B936, B937, B938, B939, B940, B941, B942, B943, B944, B945, B946, B947, B948, B949, B950, B951, B952, B953, B954, B955, B956, B957, B958, B959, B960, B961, B962, B963, B964, B965, B966, B967, B968, B969, B970, B971, B972, B973, B974, B975, B976, B977, B978, B979, B980, B981, B982, B983, B984, B985, B986, B987, B988, B989, B990, B991, B992, B993, B994, B995, B996, B997, B998, B999, B1000, B1001, B1002, B1003, B1004, B1005, B1006, B1007, B1008, B1009, B1010, B1011, 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A reading knowledge of both German and French is highly desirable. High School work in these languages and in Latin is recommended for those planning the medical course, and the program suggested above may be modified in accordance with pre-college preparation in these subjects.

In recently published information about subjects which medical schools do not include in the stated requirements, but which are recommended to pre-medical students, there is much diversity on the points, but practical unanimity on the desirability of these six subjects:

more than one year of English and public address; mathematics, at least through trigonometry; both French and German; physics, sociology and philosophy; both comparative anatomy and embryology; physical chemistry.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS

The courses in Education in Pomona College are designed to supply the information each intelligent citizen should have concerning one of the most important of our social institutions; they also to the prospective teacher a certain amount of pre-professional training.

CERTIFICATES: In California every teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon presentation to the county board of education of a qualifying credential issued by the State Board of Education through its Commission on Credentials. The Commission issues the certificate to the candidate upon the basis of evidence furnished by the candidate's college that he has completed the requirements laid down by the state. Requirements vary for different certificates and those who contemplate entering the teaching profession should make themselves familiar with these requirements as indicated in the bulletin of the State Board of Education which may be had by application to the State Board in Sacramento.

The more technical professional requirements are not usually met by courses offered in Pomona College and will need to be supplied by courses taken in Claremont Colleges or elsewhere. Pomona College, however, does undertake to offer the prospective teacher the opportunity of becoming thoroughly acquainted with the fundamental concepts of education as a social institution and of laying a broad foundation upon which future technical training may profitably be built.

A SUGGESTED PROGRAM for the prospective teacher:

FRESHMAN YEAR: Academic courses preparatory to the credential in view.

SOPHOMORE YEAR: Education B3; Psychology B1; further study in the subject-matter to be taught.

JUNIOR YEAR: Education C104; Psychology C107¹; further study in the subject-matter to be taught, or in related fields.

SENIOR YEAR: Education D215. A rounding out of the subject-matter to be taught.

¹These courses count technically as Education in all matters involving credentials.

SUGGESTED PROGRAM

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A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS OF PHYSICAL EDUCATION

FRESHMAN YEAR		SOPHOMORE YEAR	
	Units		Units
sh A1	8	Zoology B3	6
istry B3	8	Sociology B21	6
gy A1	6	Psychology B1	3
ene A5	2	Music B3	6
ives	8 or 9	Electives	9 or 10
JUNIOR YEAR		SENIOR YEAR	
c Address B32.....	4	Physical Education C130....	3
nology C107	3	Education D215	3
gy C105	3	Physical Education D133....	3
cal Education C126.....	2	Physical Education D131.....	3
cal Education C127,		Chemistry C114	4
8	4	Psychology C104	3
cal Education C119		Electives	12
r women)	2		
tion B3	3		
ves	8 or 9		
units of required Physical Education Activities.			

is suggested that the required Physical Education activities be so selected as to give the individual opportunity for both technical skills and leadership training in a wide range of activities.

A non-credit Camp Counselor's Training Course is held at Halona, the cabin at Idyllwild, for a two-week period immediately following Commencement. This course aims to provide its members with experience useful in camping and other types of leadership, such as teaching and community organization.

This program followed by a year of graduate work in Claremont College will qualify the student for the general credential with a major in Physical Education.

Reading knowledge of French and German is highly desirable for any student who plan to go on to graduate research in Physical Education.

COURSES OF INSTRUCTION

DESIGNATION OF COURSES

The letter preceding the number in the designation of a course indicates in general its grade. Elementary courses, designated A (as English A1) are given in Freshman or Sophomore years. Courses are either those which follow the A course of earlier years or the more advanced beginning courses; C and D Courses are advanced courses given to Juniors and Seniors, D courses being more difficult. The natural sequence of courses is from A to B, B to C, and C to D, and a student may not enter a C or D course without previous work in the same line.

Courses with numbers below 100 are underclass courses; those numbered from 100 to 199 are for Juniors and Seniors; those numbered over 200 are not open to students of less than Senior standing.

Any course may be withdrawn if the enrollment is less than five.

In departments where one-unit courses are offered, two courses should be completed to secure the counting of units toward graduation.

When courses in different semesters have the same general number and are connected by a hyphen thus, B1a-B1b, they cover a common subject and the entire sequence should be taken. If, however, they are connected by a comma, thus, B1a, B1b, although the credit extends throughout the year, independent credit is given for work of the first semester and the first course may be followed by some allied subject instead of the next course in the sequence. Entrance to the second semester course is by permission of the instructor.

All courses are three units each unless otherwise designated.

Roman numerals show the periods of recitations. Two courses with the same Roman numerals cannot be taken contemporaneously unless the numerals are preceded by different letters (as M and N) showing that the classes meet on different days of the group.

	8:00	9:00	10:00	11:00	1:15	2:15
MWF....	I	III	V	VII	IX	XI
TThS....	II	IV	VI	[Th-Assembly T-Chapel]		X XII Except Saturday

Hours to be arranged—A.

If a letter precedes the numeral, the class meets only on that day of the group.

THREE YEAR PROGRAM OF UPPER DIVISION AND GRADUATE WORK

To enable Junior College graduates and others who enter with advanced standing to continue their education on the basis of a three-year program leading to the Master's degree as well as to the Bachelor's degree, Pomona College and Claremont Colleges have planned their offerings so that the closest articulation of pre-graduate and graduate study is possible. Graduate work in the literatures, in the social sciences, in the biological and physical sciences, in philosophy, psychology, religion, and in the arts and music, along with professional work in public school education and in psychology is conducted by Claremont Colleges using the combined staffs of Scripps College and Pomona College as well as its own appointees. This work is usually characterized by an informal mode of instruction possible only in an institution of this type where the standards are high and the number of students is limited. A catalog of graduate seminars will be furnished upon request.

COURSES IN SCRIPPS COLLEGE

In addition to the courses listed below there will be announced from time to time of registration certain courses in Scripps College open for Pomona students under approved conditions. Each regular student in residence in Pomona College shall, however, select not less than one-third of his registration each academic year from courses in Pomona College.

ART

For each unit of credit in Art, except in C111, there is required a minimum of one hour of assigned reading and two hours of studio work per week. Students are urged to prolong these periods when their work permits, as they will then make more rapid progress. Special fees for work in applied art are as follows: A9, B25, C111, D112, \$12.50 per unit. All other courses \$5 per unit.

A3b. Design and Drawing.

MR. BEGGS

The study of order in the graphic arts. The appreciation of form and its expression in pencil, charcoal and color. 2 units. *VF*, 1:15 to 3:05.

A9b. Modeling.

MR. JURECKA

A general foundation in Sculpture, comprising a study of antique models from casts and work from nature forms. 2 units. Two sections. *TTh*, 1:15 to 3:05. *WF*, 3:15 to 5:05.

B3a, B3b. Composition.

MR. BE

Pictorial Design in various media requiring a sketch each week on an assigned subject of an illustrative or decorative nature. To be taken in conjunction with another applied art course; may be repeated for credit. 1 unit. *M, IX.*

B11a-B11b. Advanced Drawing and Design.

MR. BE

The rendering of form, particularly the head, in charcoal, lithograph crayon and water color. This may be related in the second semester to industrial, commercial or fine art problems according to individual preference. 2 units. *TTh, 1:15 to 3:05.*

B25a-B25b. Advanced Modeling.

MR. JUREC

Problems in applied ornament. Portrait study from cast and living model. Studio methods; casting and armatures. 2 units. *TTh, 3:15 to 5:05.*

C102a-C102b. Life Drawing.

MR. BE

Anatomical function and the construction of the human form. Prerequisite B11a-b or equivalent. 2 units. *TTh, 3:15 to 5:05.*

C107a-C107b. Life Modeling.

MR. JUREC

Modeling from life. Figure, portrait in the relief and in the round. Laboratory and related work. 2 units. *WF, 1:15 to 3:05.*

C111a-C111b. History of Art.

MR. BEGGS, MR. ROBB

and MR. BAUMAN

Study of the historical development of art with especial attention to national genius and expression. The Classic, Early Christian, Byzantine and Medieval Periods will be studied in the first semester, and Renaissance, Baroque, Neo-Classical, Romantic, Realistic and Contemporary Art in the second, *III.*

C120a-C120b. Painting.

MR. BE

Practice in Still-life and Landscape is adapted to a study of the techniques of various historic schools of oil painting. These are explained by means of a system of set palettes which affords a better understanding of painting principles and an opportunity for the development of individuality of manner. 2 units. *MW, 2:15 to 4:05.*

D105a-D105b. Advanced Painting.

MR. BE

Attention is given to the completion of easel pictures including the portrait and the decorative composition. A large finished canvas is required in the second semester. 2 units. *Classified XIII; laboratory, A.*

D112a-D112b. Advanced Life Modeling.

MR. JUREC

Advanced composition in both relief and the round. Development

ment of original conceptions. Study of color effects in sculpture. Laboratory and related work. 2 units. *WF 1:15 to 3:05 or A.*

Graduate work in the history of art and architecture and in applied art is available under the auspices of Claremont Colleges.

ASTRONOMY

A-B1b. An Introduction to Astronomy. MR. WHITNEY

Presents the general facts of historical and modern astronomy in a non-technical form suited to students with a minimum of science preparation. An acquaintance with the starry heavens is sought and an appreciation of man's relation to the surrounding universe. Regular evenings with the telescopes at the Brackett Observatory are supplemented by group projects and field excursions. Classroom two hours per week; observatory, etc., one period per week. Laboratory fee \$3.00 per semester. *VII.*

Students in upper division courses in the department participate in certain regular observing programs, full expression being given to individual aptitudes and preferences. These observations deal principally with the varying activities of the sun, certain phases being periodically reported to the Observatory of Paris on an international schedule, in which the Brackett Observatory is a cooperating member. Prerequisites for upper division courses in the department are Astronomy B1 or its equivalent or a satisfactory preparation in physical science.

A-C102. General Astronomy. MR. WHITNEY

A course in the fundamentals of modern astronomy designed either for students planning advanced work in this field or those having a working knowledge of geometry, trigonometry, and the essential principles of physical science. A regular evening observatory schedule is maintained supplemented by other laboratory activities. Classroom two hours per week; observatory, etc., one period per week. Laboratory fee \$3.00 per semester. *A.*

A-C103b. Practical Astronomy and Navigation. MR. WHITNEY

Deals with practical problems in astronomy and the compilation and reduction of the data obtained. Observations with the telescope, transit, and sextant are also applied to the determination of time, latitude, and longitude in a study of the theory and practice of marine and aerial navigation. Classroom one unit; observatory two units. Laboratory fee \$3.00 per semester. *A.*

A-C105. Celestial Mechanics. MR. WHITNEY

A short course in the application of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems in the prediction of eclipses and occultations and on the computation of the orbits of comets, etc. Three units. First semester. *A.*

D106. Astrophysics.**MR. WHITE**

Considers the applications of the principles of modern physics and chemistry to a study of stellar and cosmic problems and reciprocal contributions of astronomical research to the physical sciences. Laboratory observations are both visual and photographic. Classroom one unit; observatory two units. Laboratory fee, \$3.00 per semester. Second semester. *A*.

D230. Investigation in Astronomy.**MR. WHITE**

A unified program of investigation in some particular fields such as variable stars, double stars, solar radiation, meteor observations, etc., is arranged. Each semester one to four units. May be repeated for credit. Laboratory fee, \$2.00 per unit per semester. *A*.

Graduate work in Astrophysics and Celestial Mechanics is available under the auspices of Claremont Colleges.

BIOLOGY**A1a-A1b. General Biology.****MR. HILTON, MR. MURPHY
and ASSISTANT**

A general course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany or zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the project method it will be fitted to the preparations, needs, and interests of individuals or groups. Class *M* and *W*, or *F*, *VII*; laboratory, field trip, or demonstration *M,T,W,Th* or *F*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

B2a, B2b. Advanced Biology.**MR. HILTON and MR. MURPHY**

General Zoology first semester. General Botany second semester. A general survey of the animal and plant kingdoms, dealing with classification, structure and life-processes of biological groups. Prerequisite: Biology A1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the division. 4 units. Class, *TTh, II*; laboratory, *TTh*, 1:15-4:10. Laboratory fee \$8.00 each semester.

C105. Bacteriology.**MISS CLAYTON**

General study of important bacteria, methods of culture and study, and importance in disease and agriculture. Prerequisite: one year of biological work. First semester. Class, *S*, 1:15-4:10; laboratory, *MW*, 1:15-4:10. Laboratory fee, \$8.00. Breakage deposit, \$5.00.

27. Genetics.

MR. MUNZ

A non-laboratory course covering modern developments in the study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems and discussions. Prerequisite: one year of biological work. First semester, *I*. Fee, \$3.00.

28. Bionomics.

MR. HILTON

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to those who have had a year of biological work. May be taken with Zoology D131 for three hours. Second semester. 2 units. *MW, I*.

The scientific collections and library available at Claremont, as well as the geographic location, make desirable certain types of work for the master's degree, particularly in Entomology, Neurology, certain phases of marine and desert Ecology, Anatomy, Plant Morphology, Algae, and Plant Taxonomy.

BOTANY

Field Botany.

MR. MUNZ

An elementary non-technical course in local flora, with much field work. No prerequisite. Second semester. 2 units. Class, *S, II*; laboratory, *F, 1:15-4:10*. Laboratory fee, \$3.00.

23. Plant Physiology.

MR. MUNZ

A study of physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching of biology, and for botany majors. Prerequisite: Biology B2b. Second semester. Class, *WF, I*; laboratory, *W, 1:15-4:10*. Laboratory fee, \$8.00. Breakage deposit, \$5.00. (*Omitted in 1937-1938*).

25a, D125b. Taxonomy.

MR. MUNZ

Study of our local flora and more common cultivated ornamentals. Principles and methods of classification and taxonomic work. Much field work with trips to desert, mountain, and shore for study of plants in their native conditions. Prerequisite: Biology B2b. First semester, Class, *WF, III*; laboratory, *M, 1:15-4:10*. Second semester, Class, *F, III*; laboratory, *MW, 1:15-4:10*. Laboratory fee, \$7.00 each semester. Alternates with D127.

27a, D127b. Anatomy and Comparative Morphology
of Green Plants.

MR. MUNZ

The anatomy with special reference to vascular tissues from the evolutionary point of view. Morphology covering life-histories,

evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Biology B2b. Class, *A*, laboratory, *M*, 1:15-4:10. Laboratory fee, \$7.00 each semester. Alternates with D125. (*Omitted in 1937-1938*).

D131. Botanical Problems.

MR. M

Special work, largely individual, and primarily for majors in department. Each semester. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. Laboratory fee, \$2.00 per unit of credit.

ZOOLOGY

B3a, B3b. Physiology.

MISS CLAYTON

The functions of animals, with special reference to the human body. Prerequisite: Biology A1, Class periods, *MF*, 1; laboratory, *F* 1:15-4:10. Laboratory fee, \$6.00 each semester.

Zoology B4. Field Zoology.

MISS CLAYTON

An elementary non-technical course in natural history of land vertebrates. Largely field work, dealing with recognition of common forms, life histories, food habits and ecological factors in distribution. No prerequisite. Second semester. 2 units. Class *T*, *IV*. Laboratory *Th*, 1:15-4:10. Laboratory fee, \$3.00.

C105. Human Anatomy.

MISS CLAYTON

A course designed to meet the requirements of majors in physical education. Prerequisite: Biology A1 and Zoology B3. Second semester. Class, *W*, 1; laboratory, *MW*, 1:15-4:10. Laboratory fee, \$6.00.

C115. Comparative Anatomy.

MISS CLAYTON

A study of the structure of vertebrates. Prerequisite: Biology B2a. First semester. Four units. Class, *TTh*, *II*; laboratory, *T, Th*, 1:15-4:10. Laboratory fee, \$8.00.

C117. Embryology.

MR. HILTON

A study of early development and the formation of organs, with especial reference to vertebrates. Prerequisite: Biology B2a. Second semester. Four units. Class, *TTh*, *II*; laboratory, 1:15-4:10 and three hours to be arranged. Laboratory fee, \$8.00.

C118. Entomology.

MR. HILTON

A general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Biology B2. Second semester. Class, *T*, 1; laboratory, *A*. Laboratory fee, \$6.00.

3. Histology.

MR. HILTON

The microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology B3 or Biology B2. First semester. Class, *T, IV*. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$8.00.

4. Neurology.

MR. HILTON

A general consideration of the structure and functions of the nervous system and sense organs chiefly of vertebrates. Prerequisite: Zoology D113. Second semester. Class *T, IV*. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$6.00. (*Omitted in 1937-1938*).

5. Zoological Literature.

MR. HILTON

Reviews of important contributions in all fields of recent Zoological literature. Open to Juniors and Seniors. Second semester. May be repeated for credit. 1 unit. *F. I*.

6. Zoological Problems

MR. HILTON and MISS CLAYTON

This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Anatomy or Embryology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Either semester. 2 to 3 units. *A*. May be repeated for credit. Laboratory fee, \$2.00 per unit.

CHEMISTRY

NON-TECHNICAL COURSES

A1b. A Survey of Chemical Science.

MR. ROBINSON

For students who do not have in mind a scientific career, but wish to gain some knowledge of the physical sciences as part of general education. By confining the scope of study to one field, effort is made to give the student satisfactory depth of understanding of scientific method and the philosophy of science. Emphasis is laid on the place of chemistry in human affairs. No laboratory work is required. *V*. Fee, \$2.00 each semester to defray expenses of lecture demonstrations.

4a-C114b. Nutrition and Foods.

MISS SMITH

A survey of the methods used and the results obtained in investigations of dietetic requirements, and of the nutritive value of foods. Practical use of available information is stressed. No prerequisites. 2 units. *TTh, II*.

FOUNDATION TRAINING FOR SCIENCE STUDENTS

Note: A comprehensive foundation in chemistry is required for majors in chemistry and in the biological-chemical field, for medical students and for some other fields of scientific work. Such a foundation includes courses in inorganic, analytical, organic chemistry, with elementary physical-chemical principles applied in all of these branches. The student may complete foundation work in two years or in three years, as he prefers. For pre-medical students, the two year program is recommended for the Sophomore and Junior years.

	First Year	Second Year	Third Year
Two Year Program:	B3a-B3b B5a, B5b	C103a-C103b B7, C105	
Three Year Program:	B3a-B3b B4a-B4b	B7, B5b	C103a-C103b C104a-C104b

Students who have a professional objective requiring only one year of chemistry should find out whether qualitative analysis is to be included. If so, registration should be for B3a-B3b and B5a, (10 units). Those to whom qualitative analysis is not important should register for B3a-B3b and B4a-B4b (8 units).

B3a-B3b. Inorganic and Elementary Theoretical Chemistry.

MR. ROBINSON

Lectures, demonstrations and discussions in which attention is given to the philosophy of the scientific method and to the significance of scientific developments in human affairs, as well as to the more technical aspects of the science of chemistry. Special provision is made for those who have not had second school chemistry. This course is to be accompanied by a laboratory course, either B4a-B4b or B5a, B5b. *IV*.

B4a-B4b. Laboratory Studies in General Chemistry. MISS SMITH
Concurrent with B3a-B3b. 1 unit each semester. Laboratory fee, \$6.00 each semester.

B5a, B5b. General Chemistry Laboratory and Qualitative Analysis.

MR. LEIGHTON

Concurrent with B3a-B3b; or B5b may be taken independently. The first semester covers the same ground as B4a-B4b; 2 units. The second semester is laboratory practice in systematic qualitative analysis; 2 units. Laboratory fee, \$10.00 each semester.

B7. Elementary Quantitative Analysis.

MR. LEIGHTON

The principles of quantitative analysis and chemical calculations. Laboratory practice in the simpler gravimetric and volumetric methods. Prerequisite: One year of college chemistry with laboratory. First semester. Class, *S. II*; laboratory, *WF*, 1:15-4:10. Laboratory fee, \$10.00.

3a-C103b. Organic Chemistry. MR. ROBINSON
 Lectures, demonstrations and discussions, relating to the chemistry of carbon compounds, including a survey of physical-chemical fundamentals and their application in this field. Practical developments of organic chemistry are stressed. It is expected that laboratory work (C104a-C104b or C105) shall be concurrent with this course. Prerequisite: At least one year of college chemistry, including laboratory work. VII.

4a-C104b. Laboratory Methods of Organic Chemistry. MR. ROBINSON and ASSISTANTS
 Reactions and syntheses of carbon compounds. 1 unit each semester. Laboratory, *T* or *W*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

5. Laboratory Methods of Organic Chemistry. MR. ROBINSON and ASSISTANTS
 For students who wish to take Chemistry B7 the first semester. Covers in one semester the same work done in C104a-C104b. Second semester, 2 units. Laboratory, *TW*, 1:15-4:10. Laboratory fee, \$12.00.

7. Advanced Quantitative Analysis. MR. LEIGHTON
 A continuation of Chemistry B7 for those students who wish to gain a more comprehensive knowledge of the theory and practice of quantitative analysis. Second semester. Three laboratory periods, *WF*, 1:15-4:10 and *A*. Conferences will be held during laboratory periods. Laboratory fee, \$10.00.

ADVANCED COURSES FOR STUDENTS CONCENTRATING IN CHEMISTRY AND BIOCHEMICAL SCIENCES

5a-D115b. Biological Chemistry. MISS SMITH
 The chemistry and physical chemistry of materials important in plant and animal organisms, and chemical aspects of the life processes of organisms. Most of the laboratory experiments employ quantitative technic. Prerequisite: General, analytical and organic chemistry. Class, *WF*, III; laboratory, *F*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

9a, D119b. Physical Chemistry. MR. LEIGHTON
 A general review of the fundamental physico-chemical concepts and principles with numerous illustrative problems, and laboratory practice in physico-chemical measurements. Prerequisite: For the first semester, a C course in either chemistry or physics; for the second semester, differential and integral calculus are also required. Class, *TTh*, VI; laboratory, *M*, 1:15-4:10. Laboratory fee, \$8.00 each semester.

D121a, D121b. Chemistry Conference.

THE S

Oral or written reports by students, on material found in recent chemical literature; discussions of research methods, trend of present-day research, and recent developments in theoretical and applied chemistry. Each semester. One unit. May be repeated for credit.

D151a, D151b. Methods in Chemistry.

THE S

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in special analytical methods, physical chemistry, organic syntheses, or logical chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of such course and written reports are required. Prerequisites: Analytical organic chemistry and consent of instructor. 2 or 3 units. Each semester. May be repeated for credit. Locker fee, \$ and deposit of \$15.00 to cover breakage and supplies used.

D201a, D201b. Research in Chemistry.

THE S

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of problems suited to their experience, in physical, analytical, organic or logical chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. 2 or 3 units. *A.* Each semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used.

Graduate work in History of Chemistry as well as in a considerable range of specialized fields of Chemistry is available under the auspices of Claremont Colleges.

CLASSICS**GREEK****B1a-B1b. Elementary.**

MR. RO

First lessons; relation to modern Greek and to English scientific vocabulary; selected short passages from Greek literature. Book I of Homer's *Iliad*. *IX.*

C101a, C101b. Selections from Greek Literature.

MR. RO

Two sequences of readings are offered in alternate years: Herodotus, Plato, Homer, Greek comedy and tragedy, the New Testament. Studies in morphology and syntax are regular features of the work. The course may be repeated for credit in successive years. *IX. (Omitted in 1937-1938).*

LATIN**A1a-A1b. Elementary.**

MR. RO

An introductory course in the rudiments of the Latin language with emphasis upon the relation of Latin to English and Romanic languages. *VII.*

B3b. Cicero, Pliny and Horace.**MR. ROBBINS**

Cicero, *De Senectute*; Pliny, *Selected Letters*; study of the life and times of the late Roman republic and early empire. Horace, *Odes and Epodes*; philosophy, history and mythology as reflected in the poems of Horace; study of the metrics of Horace and the influence of the Greek lyric poets. *IV*.

Ca-C105b. Composition.**MR. ROBBINS**

Review of Latin grammar; translation of sentences and connected discourse into Latin according to the needs of the class; lectures on word-formation and syntax. This course may be elected with credit and is required of students majoring in Latin. *A*. One unit.

Ca, C106b. Masterpieces of Greek and Roman Literatures in Translation.**MR. ROBBINS**

Extensive readings in the literatures of Greece and Rome through the medium of English translation as a basis for the study of classical civilization and culture. No knowledge of Latin and Greek languages is required. *II*. (*Omitted in 1937-1938*).

Ca, C107b. Roman Comedy and Elegy.**MR. ROBBINS**

Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Tibullus, Propertius and Ovid. *I*. (*Omitted in 1937-1938*).

Ca, D109b. Roman History and Biography.**MR. ROBBINS**

Two sequences of readings are offered in alternate years: a, Roman philosophy, satire, and pastoral poetry; b, Roman historical and political antiquities. The course may be repeated for credit in successive years. *XIII*. In 1937-1938 sequence b.

Graduate work in Roman Literature is offered under the auspices of Claremont Colleges.

ECONOMICS**A5b. Accounting.****MR. NESS**

Study in theory and method, developing from the balance sheet the fundamental principles underlying alike the construction and interpretation of financial records. *MF, VII, and T or W, 1:15-1:05*.

A-B11b. Principles of Economics.**MR. DUNCAN**

The basic course in the general principles of Economics, including current problems. Required for students expecting to emphasize the study of Economics, and prerequisite for upper division courses in Economics. Not open to Freshmen. Economics A5 is prerequisite for Economics B11. Two sections. *I, III*.

C105. Money and Banking.

MR.

Principles of money, credit, and banking interpreted in the of the institutions and financial organization designed to serve society with adequate media of exchange. First semester.

C106. Public Finance.

MR. DUN

Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. Second semester. *II.*

C107. Agricultural Economics.

MR. BUR

A study of the application of economic principles to certain problems of agriculture, such as land tenure, transport, labor, marketing and prices. First semester, *III.*

C110. Corporation Finance.

MR. DUN

Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including some study of cooperative organizations. Prerequisite: Economics A5, or equivalent training in Accounting. First semester.

C120. Public Utility Economics.

MR.

An historical and analytical study of public utility problems in the United States. Illustrative material is drawn from the way, gas and electric utilities, but particular emphasis is upon the economics of overhead costs, the role of competition and regulation. First semester. *V.*

D115. Principles of International Trade.

MR.

Principles and structure underlying international economic relations. Prerequisite: Economics C105. Second semester. *VI.*

D117. Economic Problems of the Orient.

MR. DUN

A study of the economic, social and political problems of the Far East with special reference to current conditions in China. Enrolment restricted to seniors expecting to concentrate in Social Science and to others by special consent of instructor; previous courses in Economics not prerequisite. First semester. *VI.*

D119. Monopolies and Trusts.

MR. BUR

A study of the economic principles and the legal status of monopolies. Second semester. *III.*

D252. Economic Theory.

MR. DUN

The special topics studied vary from year to year, and will include critical analysis of underlying economic theory and its development. Open to seniors only. Second semester. 3 units. *Tu, Th, 2:15-3:30.*

EDUCATION

Introduction to Education.

MR. FITTS

A course designed for those who desire an understanding of the American school system. The outstanding problems of present-day education are examined and certain approaches to a solution of these problems are discussed. This course or equivalent prerequisite for other courses in Education. First semester, *III*. Second semester, *IV*.

04a, C104b. History of Education.

MR. NICHOLL

The development of educational theory and practice from the Greek period to the present, with an attempt during the second semester to make a comparison of the established systems in America and typical European countries. History A1 or equivalent recommended as a prerequisite. 3 or 4 units. *VII* and *A*.

10. Practice Teaching in Music.

Exercises in actual teaching under direction, regular conferences with the supervisor being a feature of the work. The course is open to those completing credential requirements during the current year. 4 units. Each semester. *A*.

15. Principles of Secondary Education.

MR. FITTS

The factors and principles which underlie the theory and practice of secondary education, including the junior high school, the senior high school and the junior college. Second semester. *III*.

A wide range of graduate work in Education leading to the various credentials as well as to the degree of Master of Arts is offered under the auspices of Claremont Colleges.

ENGLISH

Writing and Speech are emphasized feature of all Lower Division courses. Persons who plan to concentrate in English should complete Reading List I before the beginning of the Junior year.

a-A1b. English: An Introductory Course.

THE DEPARTMENTAL STAFF

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the more important literary types; instruction and practice in writing and speech. 4 units. Prerequisite for all other departmental courses. Men: *WF, I*; section meetings at *II*. Women: *TTh, II*; section meetings at *I*.

. English: An Introductory Course.

THE DEPARTMENTAL STAFF

A course offered primarily for students entering college at the mid-year, designed to meet the general prerequisite for second

year work in English. 5 units. Second semester.

Men: *WF, I* and *M.XI*; section meetings at *II*.

Women: *TTh, II* and *M.XI*; section meetings at *I*.

B5a, B5b. Nineteenth Century Literature.

An introduction to literary history and criticism, with interstudy of the poetry and non-narrative prose of the period collateral reading in the novel. Upper Division students register for the course only on the written recommendation of the instructor. *III*.

B9. Types of Prose Fiction.

MR. DAVIS and MR. LINCOLN

A general survey of important works in prose fiction with emphasis upon the development and recurrence of significant phases within the type, such as tale, romance, novel. Two sections. First semester. *V*.

B10. Introduction to Drama.

MR. DAVIS and MR. FRAMPTON

Great plays of various periods from the classic Greek to present day; as extensive reading as time will permit. Two sections. Second semester. *V*.

B11. Character Presentation in Dramatic Literature.

VIRGINIA PRINCEHOUSE ALLEN

The theory and technique of character presentation as found in selected plays. The course looks toward character-interpretation through the actor's art. Permission of the instructor must be secured before registration for this course. Either semester. *VI*.

B21. English Composition.

—————, MR. FRAMPTON

The fundamentals of effective expression in writing, with considerable attention to the composition of the "course paper." First semester. Two sections. *IV*.

B22. Advanced Composition.

MR. LINCOLN

A course for students who have mastered fundamentals. Registration limited to twenty. Prerequisite: A degree of distinction in Course B21 and the permission of the instructor. Second semester. *IV*.

ADVANCED COURSES

A substantial acquaintance with the books of Reading List is most desirable as a preliminary to registration in Upper Division courses.

C101a, C101b. The Renaissance in England. MR. STRATHMAN

English literature of the Renaissance, dramatic and nondramatic. Spenser, Shakespeare, Bacon and Milton being main figures. The enduring contributions of the Renaissance in thought, form and materials being a major topic. *IV*.

3a, C103b. Literature of the Eighteenth Century.

MR. MCCULLEY

The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginnings of the English novel; the spread of the romantic movement in England and on the Continent. *III.*

5a, C105b. American Literature.

MR. LINCOLN

The literature of the United States, with emphasis on its expression of our national characteristics and sentiments. *VI.*

1. The Short Story.

MR. FRAMPTON

Practice in supervised writing of short-stories. Study of significant short-stories. First semester. *V.*

1a, D121b. Creative Writing.

MR. LINCOLN and MR. FRAMPTON

Supervised practice in all forms of creative writing. Study of matters and fields of literary interest. D121b may be repeated for credit. *T, X and XII, and F, IX.*

3. Chaucer.

MR. DAVIS

A study of Chaucer as the outstanding narrative and dramatic poet of the transition from the medieval to the modern world. First semester. *VI.*

4. The English Language.

MR. STRATHMANN

A survey of the English language from Chaucer to the present day with emphasis on the development of vocabulary, grammar and syntax. Critical theories of language in relation to literature will be given due attention. The course is recommended especially to prospective teachers of English. Second semester. *VI.*

5a, D125b. Shakespeare.

MR. FRAMPTON

A study of the principal plays. *VII.*

7. Literary Criticism.

MR. FRAMPTON

An examination of the bases of literary criticism; studies of outstanding modern critics; frequent practice in supervised critical writing. First semester. *I.*

1a, D201b. The Great Victorians and Their Successors.

MR. MCCULLEY

Recent literature in English considered as an outcome of nineteenth century backgrounds and main currents of modern thought. The first semester of the course comes to a focus in Arnold and Meredith; the second culminates in the literary activities of our own day. Prerequisite: English B5 or an equivalent. *V.*

The opportunity for graduate work in English provided by colleges of the Claremont group is quite extensive. In the of literature and literary history it includes the more important authors and movements from Chaucer's time to the present. There are offerings too, though considerably more limited, in English language and creative writing. The student who proposes to go on into graduate study is advised to plan his course from at least as early as his junior undergraduate year.

FRENCH

See Romance Languages and Literatures.

GEOGRAPHY

Courses in this field are available at Scripps College.

GEOLOGY

B1a, B1b. Introductory Geology.

MR. SM

Dynamic, structural and historical geology. Prerequisite: high school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Class, *WF, I*; laboratory, *W* or *Th*, 1:15-4:15. Laboratory fee, \$3.00 each semester.

B3. Determinative Mineralogy.

MR. SM

Prerequisite: High school chemistry or equivalent. First semester. Two laboratory periods. 2 units. *A*. Laboratory fee, \$4.00.

C105. Crystallography and Crystal Structure.

MR. SM

Must be preceded or accompanied by Geology B3, unless taken upon the written recommendation of the Department of Chemistry or of Physics. Crystallography 2 units; crystal structure 1 unit. First semester, 2 or 3 units. *V*.

C110. Petrology.

MR. SM

The study of rocks without the microscope. Prerequisite: Geology B1a, B3 and C105. Second semester. One class and two laboratory periods. *A*. Laboratory fee, \$4.00.

C107a-C107b. Invertebrate Paleontology.

MR. SM

Prerequisite: Geology B1b; recommended preparation: Biology B2a. Two class and one laboratory periods, first semester; class and two laboratory periods, second semester. *A*. Laboratory fee, \$6.00 each semester. Given alternate years.

D104. Field Geology.

MR. SM

Prerequisite: Geology B1b, C110. A summer course of three to six weeks. 3 or 6 units. *A*.

D111-D112. Petrography.

MR. SM

(Omitted in 1937-1938).

0, D131. Geological Investigation and Research.

units. *A*. Laboratory fee, \$4.00 each semester. MR. SMITH

Graduate work in Geology with special reference to Petrography is offered under the auspices of Claremont Colleges.

GERMAN

A1b. Elementary German.

MISS WAGNER and MR. BAUMANN

The acquirement of a small working vocabulary. Constant ear-training, and as much practice in speaking as time permits. Daily exercises in reading and writing. The essentials of grammar. Etymology. Comment on German life and literature. *III, IV*.

. Elementary and Advanced German.

MISS WAGNER

Two years in one. 6 units. *I, II*.

B3b. Advanced German.

MR. BAUMANN and MISS WAGNER

More advanced German language study through intensive reading and discussion of selected German works, with considerably extended reading in the field of the students individual interest. Continued practice in German conversation. Some attention to a understanding of the cultural life of Germany, Austria and Switzerland. Prerequisite: German A1 or an equivalent. *II, V*.

2a, C102b. Conversation and Composition. MISS WAGNER

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation. Prerequisite: German B3 or equivalent. *VI*.

9a, C109b. German Literature of the Nineteenth Century.

MR. BAUMANN and MISS WAGNER

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: German B3 or equivalent. *XI and A*.

3a, C113b. German Classics of the Eighteenth Century.

MR. BAUMANN and MISS WAGNER

(Omitted in 1937-1938).

8a, D118b. Modern German Literature. MR. BAUMANN

The development of German Literature from 1880 to the present with reference to the political and social changes during that period. *A*.

Under the auspices of Claremont Colleges graduate work is offered in various phases of German Literature with special emphasis on the modern field.

HISTORY

A1a-A1b. The Development of Western Civilization.

MR. PITMAN, MR. COOKE, MR. KE

The evolution of civilization in Europe from antiquity to present, and its spread throughout the world. Attention is to the political, religious, intellectual, and economic force change. The aim is to lay a foundation for the understanding of contemporary problems. This course or its equivalent is usually a prerequisite for advanced courses in history. Emphasis on Mr. Cooke's section (*VI*) is on modern history. Three sections, *III*, Mr. Pitman and Mr. Kemble; *VI*, Mr. Cooke.

B5a, B5b. History of the United States.

MR. KE

A study of the political, cultural and economic evolution of the United States from the beginnings as an outpost of European expansion to a position of world influence. *II*.

B6a-B6b. (Oriental Affairs B6). The Development of Oriental Civilization.

MR.

A general survey of the history and characteristic elements of Oriental civilization essential to an understanding of the contemporary Far East. Most attention will be given to China and Japan. *V*.

C102. Economic History of Europe.

MR.

An historical study of economic life in Europe, with special emphasis upon the concept of an economy and the rise of modern economic institutions as private property and competition, the profit motive, the machine technique, etc. The patterns of economic thought and activity transcend the territorial limits of Europe. Second semester. *V*.

C103. The Great Biographers.

MR. F

A lecture and reading course on the outstanding figures in English Biography, with particular reference to the bases, methods and objectives of the art of biography as it is practiced today. The contributions of the pioneers, notably Plutarch, Cæsar, Pepys, Boswell, Lockhart, and Froude are analyzed and discussed and the course closes with an extended study of the moderns, especially Bradford, Strachey, Maurois, and Guedes. Students will be expected to read and report on selected subjects. First semester. *V*.

C107a-C107b. English History.

MR. PIT

The development of the main features of civilization in England and the British Empire. Emphasis is laid upon the evolution of religious, intellectual, and economic forms as well as the growth of political institutions. Thus the course is largely a study of the cultural heritage of America. First semester, Great Britain 1660; second semester, Great Britain and the Empire since 1660. *VII*.

9a, C109b. History and Cartography of Spanish

America and the North Pacific.

MR. KEMBLE

Omitted in 1937-1938).

3a, C113b. Modern European History.

MR. COOKE

Following an introductory survey of the eighteenth century currents of thought, a study is made of the French Revolution and the Napoleonic period, the development of Western European nations, the spread of republicanism, of social unrest, of liberal ideas of social organization, and of culture. In the second semester the emphasis is upon international relations, the World War, the League of Nations and upon revolutionary changes of the last two decades. *VII.*

7a, C117b. The History of the Greeks and Romans.

MR. ROBBINS

Grecian civilization from its establishment until the Roman conquest, followed by a study of Rome from the founding of the Eternal City until the reign of Justinian. Emphasis is placed upon the civilization and literature of the Greeks and Romans. *V.*

13a, RD113b. Reading in Modern European History.

MR. COOKE

Reading in contemporary European biography for honor students and majors in social science to accompany the curricular work in History D113a, D113b. Weekly conferences. *A.*

9. American Diplomatic History.

MR. COOKE

The development of American foreign policy as revealed in the relations of the United States with European, Asiatic and other American nations since 1898. Emphasis in 1937-1938 will be on relations with European States. Second semester. *I.*

19. Reading in American Diplomatic History. *A.*

MR. COOKE

10. (Oriental Affairs D120) History of Far Eastern

Diplomacy.

MR. FAHS

The history of the diplomatic relations of Eastern Asia primarily since 1800. Second semester. *I.*

5a, D125b. Economic and Social History of the United States.

MR. PITMAN

The development of the economic and social structure of the United States and, in relation to this development, a study of patterns of thought and behavior, and of expression in the arts in successive periods of American life. Lectures and student reports on significant leaders and movements. *TTh, 3:15-4:45.*

RD125a, RD125b. Reading in Economic and Social History of the United States.

MR. PIT

A course of reading for honors students concentrating in history to accompany History D125a, D125b. Weekly conferences.

D126. Central and Eastern Europe.

MR. CO

Mainly a study of the Slavic States since 1815 with attention to the economic and cultural, as well as political, aspects of their development. The course includes a survey of the Russian Soviet regime. First semester. *I*.

D127a, D127b. Maritime History of the North Pacific.

MR. KEM

The exploration of the North Pacific area, and the development of coastwise and transoceanic communication. Special facilities for this work are afforded by the Henry R. Wagner Collection of History and Cartography of the North Pacific and the McMillan Library of California and Western American History. Directed research. *A*.

In Claremont Colleges, opportunity is afforded for graduate students in the history of the British Empire, Modern Europe and America including the Maritime History of the North Pacific.

MATHEMATICS

A1a, A1b. Introduction to College Mathematics.

DEPARTMENTAL ST

The objective of this course is to prepare students for work in calculus the following year. The subject matter covered in particular students will be adjusted to meet their needs as indicated by their previous preparation. Prerequisite to further work in the department, except Math. B7 and B8. To be offered at three periods and in as many sections in each period as registration calls for. *IV, V and VI*.

B7. Mathematics of Finance.

MR. JAE

Interest, annuities, amortization, depreciation, and an introduction to the mathematics of life insurance. First semester. *I*.

B8. Statistical Methods.

MR. JAE

Graphs, averages, frequency distribution, probability, correlation index numbers. Second semester *MW, III*; laboratory, *F, I*, 4:10. Laboratory fee \$1.00.

1. Surveying.

MR. TAYLOR

Use and adjustment of surveying instruments. Methods of making and mapping surveys for various purposes. Given during summer session at the Bluff Lake Camp of Pomona College. Prerequisite: Plane trigonometry. 6 units.

t, B15b. Differential and Integral Calculus.

MR. TAYLOR and MR. HAMILTON

continuation of Mathematics A1. *III* and *IV*.

Plane Analytic Geometry.

MR. HAMILTON

study of the straight line, conic sections, higher plane curves and their properties. Prerequisite: Math. A1. First semester. *II*.

0. Solid Analytic Geometry.

MR. HAMILTON

planes, curved surfaces, and space curves. Also a brief treatment of spherical Trigonometry. Prerequisite: Math. B25. Second semester. *VII*.

2a, C119b. Higher Algebra and Theory of Equations.

MR. JAEGER

theory and solution of higher algebraic equations and other advanced topics in algebra. *II*.

0a, D120b. Differential Equations.

MR. JAEGER

general course in the theory and solution of differential equations. *I*.

1a, D121b. Advanced Calculus.

MR. TAYLOR

Some of the subjects studied are partial differentiation, elliptic integrals, line, surface, and volume integrals, Green's Theorem, Stokes' Theorem. *A*.

0a, D230b. Selected Topics in Higher Mathematics.

DEPARTMENTAL STAFF

From time to time work in complex variables, projective geometry, differential geometry and number theory will be given as the demand requires. 1 to 3 units. *A*.

Graduate work in Number Theory and Differential Geometry is offered under the auspices of Claremont Colleges.

GRAPHICS

A7b. Engineering Drawing.

MR. TAYLOR

beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

B9a, B9b. Engineering Drawing.

MR. TA

A more advanced course in mechanical drawing and descriptive geometry. Treats of orthographic and perspective projection of machine and structural details. Prerequisite: Mathematics or its equivalent. 1 or 2 units. *TTh or F. 1:15-4:10.* Laboratory fee, \$2.00 per unit.

C112a, C112b. Engineering Drawing.

MR. TA

Design of cams, gears, machine parts and simple trusses and machines. *TTh or F. 1:15-4:10.* Laboratory fee, \$2.00 per unit.

MILITARY SCIENCE

The College maintains an Infantry Unit, Senior Division, of the Reserve Officers' Training Corps, established under the National Defense Act for the general purpose of qualifying students as lieutenants in time of national emergency. Students who successfully complete the four-year course will be tendered commissions as second lieutenants in the Officers' Reserve Corps.

The courses include both classroom and outdoor instruction. Theoretical instruction covers the basic technical knowledge required of a lieutenant of the United States Army. Drill periods provide opportunity for the practical application of the theoretical instruction and for the improvement of the posture and physical coordination of the student. Special emphasis is placed on the development of the qualities of leadership. The poise acquired by the student and his practical experience in the art of command are applied in many walks of life.

The instructors in the department are officers of the Regular Army detailed for duty at the College by the War Department. Equipment provided includes rifles, automatic rifles, machine guns, a one-pounder gun, a Stokes mortar, and instruments for a 28-pound band. All students are given instruction in marksmanship. Ammunition for target practice is furnished without charge. Individual competitions are held and a rifle team selected for intercollegiate matches.

Students who have received training in a Junior R.O.T.C. may be given advanced standing on the basis of two years Junior R.O.T.C. for one year Senior R.O.T.C. up to the limit of 1½ years Senior unit training. Application for advanced standing must be made when registering and must be accompanied by a recommendation from the Professor of Military Science and Tactics at the school which the student attended.

The four year course is divided into the basic course, consisting of the first two years, and the advanced course consisting of the work of the third and fourth years. Enrollment in either course is voluntary but, when a student has elected either the basic course or the advanced course, completion of the course elected becomes a prerequisite for graduation.

The basic course is open to all physically fit male students who are American citizens. Enrollment does not involve any obligation

military service nor does it interfere with the participation in sports by the student. Uniforms for the basic course are issued without charge to the student.

Enrollment in the advanced course is limited to selected students who have completed the basic course or its equivalent and who enter under an agreement to attend one summer camp for a period of six weeks. Attendance at this camp is expected during the summer between the Junior and Senior years. In consideration of this summer camp students receive, from the government, cash allowances equivalent to a scholarship of about \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from camp, are provided by the government.

A1b. First Year Basic Course.

MAJOR STIVERS

National defense; citizenship; military courtesy and discipline; rifle marksmanship; map reading; military policy of the United States; military organization; military hygiene and first aid; close and extended order drill and ceremonies. 1½ units. 2 sections. Class, *M, I or III*. Drill, *M, 1:15-3:05*.

B3b. Second Year Basic Course.

Military history; musketry; scouting and patrolling; infantry weapons; automatic rifle; combat principles of the rifle squad; drill and command. 1½ units. 2 sections. Class, *S, VI or F, IX*. Drill, *M, 1:15-3:05*.

A-C105b. First Year Advanced Course.

Leadership; 37 mm. gun and Stokes mortar; machine guns; field fortification; automatic pistol; combat orders; marches and security; combat principles of the rifle section and platoon; interpretation of aerial photographs; drill and command. 3½ units. 2 sections. Class, *III or VII*. Drill, *M, 1:15-3:05*.

A-D107b. Second Year Advanced Course.

MAJOR STIVERS

Leadership; military administration; military history of the United States; military law; tanks and mechanized warfare; aircraft defense; signal communications; tactical problems of the command of rifle and machine gun companies and the switzer platoon; drill and command, as platoon, company and battalion commanders. 3½ units. 2 sections. Class, *II or IV*. Drill, *M, 1:15-3:05*.

MUSIC

THEORY AND APPRECIATION

A1b. Elementary Harmony.

MR. ALLEN and MR. SUTHERLAND

Study of intervals, scales, tonal magnetism, primary triads, dominant seventh and ninth chords, and all non-chordal tones. Harmonization of melodies. Prerequisite: Elementary knowledge of the pianoforte. *III and IX*.

A2a-A2b. Sight Singing and Dictation.

MR. LY

Training in sight singing; melodic and rhythmic dictation a view to discriminate listening. Two periods per week. 1 *MW, V.*

B3a-B3b. Appreciation of Music.

MR. SUTHER

A course designed to stimulate the enjoyment of music by means of the development of intelligent listening; planned to give a general idea of the elements, structural principles, and aesthetic content of music. Not designed for students majoring in music. 2 units. *MW, XI.*

B4a-B4b. History of Music.

MR. F

A general survey of the history of occidental music from the beginning of the Christian era. Prerequisite: Music A1. 2 units. *TTh, IV.*

B5a-B5b. Advanced Harmony.

MR. AL

Secondary harmonies. Modulation and chromatically altered chords. Keyboard drill and analysis. Creative work is encouraged from the beginning. Harmonization conducted on a melodic basis. Prerequisite: Music A1 or equivalent. *VII.*

B6a-B6b. Advanced Dictation.

MR. BLANCH

A continuation of A2a-A2b, employing triads, seventh chords and modulation. Dictation in two, three, and four part harmony. Prerequisite A2. 2 units. *WF, IX.*

C107a-C107b. Counterpoint.

MR. AL

A study of Simple Counterpoint in the five species with an aim to learn the art of free part-writing. Creative work in various contrapuntal forms, as the Invention and the Suite, will be undertaken during the course. Prerequisite: Music B5. *VI.*

C109. Form and Analysis.

MR. SUTHER

Designed to lead to a clear understanding of the principles which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music B5. 2 units. Offered in alternate years. (*Omitted in 1938*).

C111a-C111b. The Choral Literatures of the Church.

MR. CL

A survey of church music, ancient and modern, with a view to its adaptability to present day church usage, both liturgical and nonliturgical. Two periods per week. One unit. Offered in alternate years with Music C112. (*Omitted in 1937-1938*). *A.*

2a-C112b. The History and Literature of the Organ.**MR. CLOKEY**

study of the development of the organ from the mechanical standpoint; present day tendencies in organ design and construction; the literature of the organ. Two periods per week. One unit. *A*.

2a-C113b. Orchestration and Instrumentation.**MR. BLANCHARD**

study of the instruments of the modern orchestra; their history, technical limitations and use in various groups; study of scores and the technique of scoring. This course is especially designed to meet the needs of a student desiring the state certificate. Prerequisite: Music B5. *I*.

2a-D108b. Free Composition.**MR. ALLEN**

Advanced original work in the shorter free styles. Text—Goethius "Homophonic Forms." Prerequisite: Music C107. *A*.

9. Public School Music Methods.**MR. COLEMAN**

Selection, presentation and interpretation of the song. Methods of developing sight-singing and other technical problems. A brief study of child psychology. Teaching plans with a bibliography of material. First semester. 2 units. *A*.

APPLIED MUSIC**Class Instruction (No special fees).**

Enrollment for credit is limited to two courses at one time.)

B7b. Choral Singing.**MR. LYMAN**

The study and production of choral music, especial attention being given to diction, phrasing, content of the works dealt with, and an understanding of musicianship as applied to choral singing. The Class will be organized as the College Choir and as such will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays and Thursdays from 1:30 to 12:20. 1 unit. The course may be repeated for credit.

B9b. Orchestra.**MR. FISKE**

Study of major works of orchestral repertoire and application of the principles of orchestral routine through public performance. Two periods of attendance weekly; one hour credit. Additional sectional rehearsals at option of director. The course may be repeated for credit. *T* and *F*, 4:15.

B10b. Band.**MR. BLANCHARD**

The study and production of the best in concert band repertoire. Two periods of attendance weekly (also one hour of drill on Saturday at 11:00 during football season); one hour credit. The course may be repeated for credit. *M* and *Th*, 4:15.

II. Individual Instruction (Special fees charged).

The student in applied music under individual instruction w enrolled for credit toward the Bachelor of Arts degree only, the written recommendation of the Chairman of an Examin Committee and the Head of the Department, and upon the s quent favorable action of the Classification Committee. This ommendation is based upon the degree of ability and advance shown in Proficiency Tests. Two units per semester for two sons per week; one unit per semester for one lesson per we addition to one class lesson per week at the option of the instr All work in applied music for which credit is given must be ac panied or preceded by Music A1. For a second year or mo credit where two lessons per week are taken, this work mu accompanied or preceded by Music B5. No college credit is for work below "B" (Sophomore) grade. (As many Freshme able to pass the prerequisite tests allowing them to take "B" work, students of all classes are advised to confer with the of the Department regarding eligibility for credit.) Not more 12 units' credit in applied music may be counted toward the Bac of Arts degree unless the student is able to present a total units of "D" (Senior) grade work in any subject. In this ca units' credit may be allowed. Proficiency tests are required or students desiring credit toward the Bachelor of Arts degree.

Voice

MR. LYMAN, MISS STEVE

Organ

MR. CL

Piano

MR. OLIVE, MR. SUTHER

Violin and Viola

MR. :

Wind and Percussion Instruments

MR. BLANC

Lessons on other instruments may be arranged for pri through the office of the Music Department.

III. Group Instruction (Special fees charged).

Class lessons for beginning students are offered at special a registration of four persons being set as the class minimum. this work no collegiate credit is given. Each class meets week for an hour.

Graduate work in composition and study of Music For offered under the auspices of Claremont Colleges.

ORIENTAL AFFAIRS

For convenience of reference all of the courses dealing s cally with Oriental Affairs are listed below. Students shoul ister for these courses under the departmental number giv parenthesis.

B6a-B6b (History B6a-B6b). The Development of Oriental Civilization.

MR.

A general survey of the history and characteristic elemen Oriental civilization essential to an understanding of the

emporary Far East. Most attention will be given to China and Japan. *V*.

1a-C101b (Oriental Languages C101a-C101b).

Chinese.

MR. CHANG

an elementary reading course in the Chinese language.

2a-C102b (Oriental Languages C102a-C102b).

Japanese.

MR. FAHS

an elementary reading course in the Japanese language.

9 (Political Science C109). Political Problems of

Eastern Asia.

MR. STORY

hrs. Second semester. *WF, III*, with a third hour at the pleasure of the instructor. (*Omitted in 1937-1938*).

6 (Philosophy C126). Oriental Philosophy.

MR. IREDELL

second semester. *VII*.

7 (Economics D117). Economic Problems of

the Orient.

MR. DUNCAN

first semester. *VII*.

0 (History D120). History of Far Eastern Diplomacy.

MR. FAHS

the history of the diplomatic relations of Eastern Asia primarily since 1800. Second semester. *I*.

1 (Political Science D121). The Government of Japan.

MR. FAHS

comparative study of the structure and functioning of the Government of Japan as a background for understanding of contemporary Far Eastern Affairs. First semester. *I*.

PHILOSOPHY

Courses B25 and B27 are general introductions to philosophy. They are recommended both for students who wish a general acquaintance with the subject, and for those who wish to lay a foundation for advanced work.

One year's work in Philosophy is required for admission to Degrees.

Introduction to Logic.

MR. IREDELL

study of the elements of deductive and inductive reasoning with special emphasis upon the problems of definition, the nature and use of scientific hypotheses, probability, and deductive and inductive fallacies. First semester. *IV*.

B25a, B25b. History of Philosophy.

MR.

An introduction to philosophy through the study at first of the works of significant and representative philosophers. Approximately six thinkers will be studied during the year. This is not a survey course, although the main lines of historical development, especially in ancient Greek thought and in Europe of the Renaissance, will be traced. Open to freshmen by permission. *V.*

B27a, B27b. Problems of Philosophy.

MR. IRE

An introductory consideration of the meaning and methods of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology, and a review of some of the main philosophic estimates of life. *VI.*

C123. The Nineteenth Century.

MR.

Main currents of nineteenth century European thought: Idealism and individualism, utilitarianism, positivism, evolution, romanticism. Some account will be given of their origins, and of the reaction against them by the English idealists and Nietzsche, late in the century. Prerequisite: One course in philosophy. First semester. *IX.*

C124. Ethics.

MR.

An examination of the central problems of ethics, including good and the right, freedom, the concept of rational living, individual and society, absolute and relative factors, human nature. A course primarily for upperclassmen; some previous work in philosophy is recommended, though not required. First semester. *I.*

C126. Oriental Philosophy.

MR. IRE

This course is designed to provide the student with a general background of oriental thought as a basis for further study of oriental life and culture. An attempt will be made to gain appreciation of the thought life of the Orient through a study of some of the more important thinkers and schools of oriental philosophy and through a comparison of oriental and western philosophical views and cultural ideals. Second semester.

C132. Philosophy of the State.

MR.

A consideration of the philosophical implications of and problems arising through society and the state. Second semester.

D133. The Philosophy of Science.

MR.

(Omitted in 1937-1938).

D134. Contemporary Philosophy.

MR. IRE

A study of contemporary philosophic thought through some of the main modern thinkers with special reference to the development of the modern movement.

nant ideas of the civilization of today. Prerequisite: Philosophy B25 or B27, or such previous work as will provide an equivalent grasp of the basic problems of philosophy. Second semester. *IV*.

35. Contemporary Philosophy of Education. MR. IREDELL

A consideration of educational philosophies at work in the world today, together with a critical analysis of the chief philosophical problems involved. The course will include a brief survey of some of the current attempts to reform education in this country and abroad, and will consider the contributions of some of the outstanding contemporary philosophical thinkers to the problems of education. First semester. *III*.

36. The Philosophy of Plato. MR. LEE

The class will study the philosophy of Plato in detail, reading and discussing a number of the Dialogues in the course of the semester. Prerequisite: one year's work in philosophy, preferably Philosophy B25 or B27. Second semester. *A*.

A considerable range of graduate offerings in Philosophy is available under the auspices of Claremont Colleges.

PHYSICAL EDUCATION

Students who wish to prepare to teach physical education in the public schools may qualify for the general credential with a major in physical education by completing a program of courses in Pomona College, followed by a year of graduate work in Claremont Colleges.

MEN AND WOMEN

A student may count toward graduation not more than one unit per semester in "sports" and "activities" during his Lower Division years, and not more than one-half hour per semester during his Upper Division years.

1. Principles of Healthful Living.

MR. NIXON and MISS KELLEY

An introduction to general hygiene dealing with the meaning and significance of physical, mental, and social health as related to the individual and to society. Important phases of our National health problem. Constructive methods of promoting the health of the individual. Defensive hygiene. Special health problems of college students and young people generally. Elective either semester. 2 units *TTh, VI*. Men, Mr. Nixon; women, Miss Kelley.

26. Community Health.

MISS KELLEY

A brief survey of the fields of community and public health dealing with the health of people as a group, and with the social and governmental activities which are concerned with environmental control and health promotion. Hygiene and the correlation of the total health teaching program. Second semester. 2 units. *TTh, IV*.

C127. Community Recreation.

MR. HI

A study of the organization of the school and the public ground, the types of leadership, and types of activities suited for various age periods. Discussion of the technique of organizing the recreation center. Organization of leadership. Limited to upper division students. Second semester. 2 units. *WF, IX.*

C128. Nature and Function of Play.

MISS KE

The biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out new habits, attitudes and judgments. First semester. 2 units. *Z*

C130. Kinesiology.

MISS CAWTHO

An analysis of joint and muscular mechanism, and their relation to problems of bodily development and efficiency. Prerequisite: Anatomy. First semester, *I.* (*Omitted 1937-1938*).

D131. Physical Deviations.

MISS CAWTHO

Study of the causes, prevention, and correction of physical defects. Laboratory work includes methods of examination, description of exercises. Prerequisite: C130. First semester *M I;* and laboratory *A.*

D133. Principles of Physical Education.

MR. ND

Limited to Seniors preparing to teach Physical Education. Second semester. *VII.*

Graduate work leading to various credentials as well as to Master's Degree is offered under the auspices of Clarendon Colleges.

MEN

Students engage in programs of physical education activities selected according to individual needs as determined by medical and physical examinations and tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. Among the minimum requirements of the Department are good posture, ability to swim, elementary skill in self defense or gymnastics, proficiency in fundamental activities, reasonable skill in at least one individual sport and in one team game.

The following physical education activities are carried on under the supervision of the Department: Archery, badminton, baseball, basketball, boxing, corrective exercises, cross country running, football, golf, gymnastics, swimming, tennis, touch football, track and field athletics, volleyball, water polo, wrestling. The student obtains credit in the required courses listed below by participation in activities selected in accordance with the principles set forth in the preceding paragraph.

The College program of intercollegiate athletics is an integral part of the program of Physical Education. No student is permitted to participate in the more strenuous forms of competition without a certificate from the College Physician indicating that the individual is physically fit for such participation.

A1b. Physical Education Activities. THE STAFF
Required, Freshman year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. A.

A2b. Gymnastic Exercises. MR. STREHLE
Required of Freshmen not taking military. $\frac{1}{2}$ unit. A.

B3b. Physical Education Activities. THE STAFF
Required, Sophomore year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. A.

B4b. Physical Education Activities. THE STAFF
Required of Sophomores not taking military. Sophomore year.
unit. A.

a-C105b. Physical Education Activities. THE STAFF
Required, Junior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. A.

a-C107b. Physical Education Activities. THE STAFF
Required, Senior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. A.

a-D219b. Technique of Teaching Physical Education.
Activities. MR. HEATH, MR. STREHLE and MR. MERRITT
This course is devoted mainly to methods in teaching and supervising athletics. 2 units. A.

WOMEN¹

Medical and physical examination is given all entering students with subsequent posture tests. Physical activities are allowed as prescribed as the result of these examinations. Participation in A11b is required for the Freshman year. Students may have a choice of election in other activities in so far as medical and physical examinations warrant, but must include during the Freshman and Sophomore years one individual sport, one team or group sport each semester of either tap, folk, or natural dancing.

ACTIVITY

Six units of Physical Education Activities are required for graduation. One unit is credited for A11, Fundamentals, a special course organized in such a fashion as to include the basic fundamentals of physical activity. The remaining 5 units may be earned through participation in any of the following activities.

Individual Sports	Team Sports	Dancing	Gymnastics
Archery	Basketball	Rhythmics	Danish
Badminton	Baseball	Creative	Individual
Baseball	Hockey	Tap	
Basketball	Speedball	Folk	
Baseball	Volleyball		

Students interested in camp leadership are referred to the announcement on page 3.

Course in Recreational Games including:

Croquet	Shuffleboard
Horseshoes	Tenniquoits
Paddle Tennis	Tether Ball
Ping Pong	

A11a-A11b. Fundamentals. THE

Required, Freshman year. $\frac{1}{2}$ unit. *A*.

A12a-A12b. Sports and Dancing. THE

Required, Freshman year. $\frac{1}{2}$ to 1 unit. *A*.

B13a-B13b. Fundamentals, Sports or Dancing. THE

Required, Sophomore year, $\frac{1}{2}$ unit. *A*.

B14a-B14b. Fundamentals, Sports or Dancing. THE

Required, Sophomore year, $\frac{1}{2}$ unit. *A*.

C115a-C115b. Fundamentals, Sports, or Dancing. THE

Required, Junior year. $\frac{1}{2}$ unit. *A*.

C117a-C117b. Fundamentals, Sports or Dancing. THE

Required, Senior year. $\frac{1}{2}$ unit. *A*.

THEORY

C119a-C119b. Methods in Coaching and Supervising Sports. MISS B

1 unit. 1st semester *F, IX*; 2nd semester, *F, XI*.

PHYSICS

A1a-A1b. Introduction to Physical Science.

MR. TILESTON and MR. F

A non-mathematical course intended for those who wish to obtain a knowledge of the fundamental facts, theories and applications of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the electron structure of matter. *V*. \$5.00 each semester.

B2a-B2b. General Physics. MR. TIL

A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. *I*.

B4a-B4b. Physical Measurements.

MR. TILESTON and MR. F

Quantitative laboratory work in the subjects indicated in B2a-B2b. Must accompany B2a-B2b. *W* or *Th*, 1:10-2:00. 1 unit. Laboratory fee, \$3.00.

0. Slide Rule and Precision of Measurements. MR. HAUPT

A study of the principles of precision of measurements and the application of these principles to experimental data. The student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics B2, B4. 3 units. First semester, *III*. Fee \$3.00.

1a-C111b. Electricity and Magnetism. MR. TILESTON

A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics B2, B4. 3 units. *II*.

3a-C113b. Mechanics. MR. HAUPT

Kinematics and dynamics of motion. Study of forces and their relation to motion. Concepts of work, power, momentum, impulse. Centers of mass, moments of inertia, products of inertia. Statics and the equilibrium of particles, rigid bodies and framed structures with special emphasis on engineering applications. Mechanics and atomic physics. Prerequisite: Calculus. *VII*.

9a-D109b. Electrical Measurements. MR. TILESTON

Laboratory in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacity. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics C111a-C111b preceding or accompanying this course. 1 unit. *M*, 1:15-4:15. Laboratory fee, \$4.00.

5a-D115b. Optics. MR. HAUPT

The fundamental laws of geometrical and physical optics, the wave theory of light, interference, diffraction, polarization, electromagnetic theory of light, reflection and refraction, dispersion, magneto-optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics B2, B4 and Calculus. *VI*.

7a-D117b. Optical Measurements. MR. HAUPT

Quantitative verification of the laws of geometrical and physical optics, interference, diffraction, polarization, dispersion and refraction, photometry and photography. Special emphasis will be given to the work in spectroscopy. Laboratory to accompany 115. 1 unit. *F*, 1:15-4:15. Laboratory fee, \$4.00.

0a-D200b. Modern Physics. MR. TILESTON and MR. HAUPT

Electromagnetic theory of radiation, the electron, properties of moving charged bodies. Kinetic theory of gases, thermionics, photoelectric effect. X-rays, spectroscopy, critical potentials, radioactivity, isotopes. 1 unit. *A*.

D220. Research.

MR. TILESTON and MR. F.

The following problem is in progress in the department:
Properties of high energy ions.

Majors in the department who are properly qualified will be accepted as research associates. Each semester. 1 to 3 units.
Laboratory fee, \$2.00 per unit.

POLITICAL SCIENCE and LAW**INTRODUCTORY COURSES****A1a-A1b. The Foundations of Government.**

MR. S.

The genesis and nature of political control is the inquiry of the first semester; the chief problems confronted in the exercise of political control are considered in the second semester. Only lower division students may register. 2 or 3 units. *W, F, XI*, with a 3-hour, *M, XI*, for those permitted to register for three units.

B3a, B3b. Contemporary Governments.

MR. S.

First semester: Modern solutions to problems in the field of political control. The character, institutional forms, and political practice of the principal contemporary foreign governments receive special attention to English government. Second semester: American government including a study of the principles and problems of American national, state and municipal polity.

C101. Principles of Politics.

MR. S.

An examination of the fundamental forces, practices and problems revealed by man's experience in the art of government. Primarily for junior college transfers. Not open to those who have had A1. 2 or 3 units. First semester. *WF, VII*, with a 3-hour, *M, VII*, for those permitted to register for three units.

ADVANCED COURSES

Unless otherwise specified seven or eight hours work in the introductory courses, listed above, or the written consent of the instructor, is a prerequisite for registration in the following courses.

C103a, C103b. Municipal Problems.

MR. S.

Modern experience in adjusting the relations between cities and governments and the attempts of the latter to reorganize their polity to meet the terms imposed by democratic institutions and scientific technology are considered in C103a. The special conditions which arise in metropolitan communities and the effort to refashion their political mechanisms and processes, receive special attention to metropolitan areas in California, are surveyed in C103b. *III*. (C103b alternates with C109.)

C105. Introduction to Law.

MR. BUR

The development of American law and legal institutions and some analysis of the rights and liabilities arising from the common legal relationships. First semester. *I*.

108a, C108b. International Relations.

MR. SAIT

In the first semester the main subjects of discussion will be economic discords and harmonies, the cause and effect of war, methods of adjusting disputes, international co-operation, the peace movement, and particularly the League of Nations. The second semester will be devoted to a survey of international law—its nature, sources, and content, with emphasis upon the significance of post-war instruments such as the Covenant of the League, the Statute of the Court, and the Pact of Paris. *II.*

109. Political Problems of Eastern Asia.

MR. STORY

A survey of the contemporary political life and international relations of China, Japan and Asiatic Russia, with particular emphasis upon China. Open to upper division students who have had basic work in the Social Sciences or Philosophy. 2 hrs. Second semester. *WF, III*, with a third hour at the pleasure of the instructor. (*Omitted in 1937-1938*).

112. Public Opinion.

MR. STORY

The origin and nature of individual and group attitudes toward public affairs; also an inquiry into the processes by which opinion is formulated and expressed and how it becomes effective in law and policy. Second semester. *VII.*

113a, D113b. Political Institutions.

MR. SAIT

In the first semester attention will be given to the methods of approach (theoretical, scientific, economic, historical, and comparative), to the origin of the state, its fundamental attributes, and the chief forms that it assumes. In the second semester the organs of the state (such as legislature or civil service) and political parties will be examined in the light of past evolution and present tendencies. *VI.*

114. Constitutional Law.

MR. BURGESS

An examination of the Constitution of the United States and the decisions of the Supreme Court upon questions arising thereunder. Second semester. *I.*

121 (Oriental Affairs D121). The Government of Japan.

MR. FAHS

A comparative study of the structure and functioning of the Government of Japan as a background for understanding of contemporary Far Eastern Affairs. First semester. *I.*

THE READING PROGRAM IN POLITICAL SCIENCE

A student who desires to read in Political Science will qualify for admission to honors (see p. 56); for concentration in the field of Political Science (see p. 69), and will adopt the following Reading Program as the dominating feature of his upper division work. This program is designed to prepare those who aspire to intelligent par-

participation in public affairs, to enter public service or to do graduate work in Political Science or Law. The Reading Program represents a possible twenty-four hours of credit in the department, with an additional six hours contingent upon the completion of reading courses planned for the summer months. The amount of credit to be assigned to any individual Reader will depend upon the amount of his work at the end of his Senior year. At that time a series of comprehensive examinations, written and oral, are given to all Readers during the month of May with a view to testing the Reader's range and thoroughness of achievement and the degree of maturity which characterizes his thinking. Readers who seek their degree with "Distinction in Political Science" will also prepare a thesis during Senior year:

The Reading Program emphasizes certain features which are designed to assure perspective and to impart organization and direction to the Reader's effort in the field as a whole:

(1) Each Reader registers, not for individual courses, but for the entire program, e.g., C151, C152 in the Junior year, and D151, D252 in the Senior year. In making up their programs Readers are advised to confer with all members of the Department, but registration will be made through the head of the department.

(2) As directive and contributing elements, not less than the advanced courses from the departmental offerings available in Political Science at Pomona and the course on Modern Political Thought at Scripps College will be incorporated and completed in the Reader's program. Registration for these is indicated as follows: C151 (C108) or D252 (D112).

(3) Readers are furnished a selected bibliography covering four sections of the program; in consultation with some member of the department they will formulate their program of reading for each semester and for summer work if the latter is entered upon. Each reader is responsible for a sound general knowledge of the material indicated in each section, and is expected to develop an individual emphasis as interest and time dictate and as may be agreed upon in consultation with his adviser in three subjects chosen under Section 2.

(4) In addition to individual conferences with a member of the department who acts as his adviser, each reader will meet bi-weekly in a pro-seminar group with the departmental faculty for the presentation of selected reports and discussion.

C151, C152. Reading in Political Science.

MR. BURGESS, MR. SAIT and MR. STORY, MR. FAHS, MR. SAUNDERS (Scripps) coöperate

D251, D252. Reading in Political Science.

MR. BURGESS, MR. SAIT and MR. STORY, MR. FAHS, MR. SAUNDERS (Scripps) coöperate

1. *Political Thought*: The great classics of Political Science from Plato's *Republic* to the significant works of contemporary

Governmental Institutions: General Reading in the following subjects, in three of which individual emphases shall be stressed.

- a. American Government.
- b. Foreign Governments.
- c. Comparative Municipal Government.
- d. International Political Institutions.
- e. Comparative Legal Institutions.
- f. Public Opinion.
- g. Public Administration.

Political Biography: The lives of great public leaders, with emphasis upon those of the United States and Great Britain. "Works" and autobiographies will be included.

Bibliography and Methods: A survey of bibliographical guides and helps; methods of investigation. 24-30 units. *A*.

GRADUATE WORK IN POLITICAL SCIENCE

Course 9. American Diplomatic History. second semester.	MR. COOKE
Course 3. Philosophy of the State. second semester.	MR. LEE
Political Science 1. Public Administration. both semesters.	MR. STORY
Political Science 2. Public Opinion. second semester.	MR. STORY
Political Science 3. Constitutional Law. second semester.	MR. BURGESS
Political Science 4a, 4b. International Law and Relations. both semesters.	MR. SAIT
Political Science 5. Comparative Government. both semesters.	MR. SAIT
Political Science 6. Political Theory. both semesters.	MR. SAUNDERS
Political Science 7. Political Problems of Eastern Asia. second semester.	MR. STORY

PSYCHOLOGY

Course 1a, B1b is prerequisite to all further courses in the department.

B1b. Elements of Psychology. MR. EWER and MR. ELLIS
The fundamental facts and laws of the mind. Principles of sensation, perception, memory, thought, feeling, emotion, instinct, and will. The relation of mental processes to the nervous system and to action. Practical applications in various fields. Mr. Ewer, *IV*; Mr. Ellis, *VI*.

C104. Child Psychology.

MR. ELLI

An intensive survey of physical and mental growth and development. Particular attention will be given to methods of child training and to the hygiene of growth. Second semester. *V*.

C105. Individual Differences.

MR. ELLI

A study of the nature and extent of individual differences and their causes as determined by objective methods. Age, sex and race differences. Genius, subnormality, insanity and criminality. The organization of mind. Applications in various fields are considered briefly. First semester. *IV*.

C106. Problems of Psychological Research.

MR. EWE

The mysterious phenomena of the mind presented in the light of scientific psychology. The subjects considered include hypnosis, esthesia, automatism, illusions and hallucinations, hypnotism, contemporary occultism and spiritualism. First semester. *V*.

C107. Educational Psychology.

MR. EWE

Practical applications of psychology to education. The nature of the learner; principal features of the learning process; principles of motivation; methods of mental measurements. First semester, *VII*.

C118. Experimental Psychology.

MR. ELLI

A laboratory course in psychology accompanied by lectures and discussions of the principles of scientific method used in psychological investigations. First semester. Class, *MF, III*; laboratory *W, 1:15-4:10*. Laboratory fee \$2.00.

D112. Social Psychology.

MR. EWE

Mental processes underlying social order and progress; the individual as the social unit; collective forms of behavior. Second semester. *VI*.

D117. The Nature and Measurement of Intelligence.

MR. ELLI

A study of the nature of intelligence and the principles and methods of intelligence testing with special emphasis upon the method of giving the Stanford Revision of the Binet Tests. Second semester. *IV*.

D209a, D209b. Advanced Psychology.

MR. EWE and MR. ELLI

Only D209a will be given in 1937-1938. The subject will be the historical development of psychology, and the leading contemporary systems. *A*.

Graduate work in various aspects and applications of psychology is offered under the auspices of Claremont Colleges.

PUBLIC ADDRESS

A1b. English: An Introductory Course. MR. SCOTT

(In cooperation with the Department of English).
The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the more important literary types; instruction and practice in writing and speech. 4 units. Prerequisite for all other departmental courses. Men: *WF, I*; section meetings at *II*; Women: *TTh, II*; section meeting at *I*.

B32b. Public Address. MR. SCOTT

Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment to specific audiences. 2 units. *MW, III*.

B33b. Principles of Interpretative Reading. MR. SCOTT

Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of various literary types. 2 units. *TTh, VI*.

B35b. Argumentation and Debate. MR. SCOTT

Study of the principles of argumentation and practical application of these principles in class debates. Debate subjects for the year analyzed and debated. 2 units. *MW, V*.

C131b. Advanced Public Address. MR. SCOTT

Training in the construction and delivery of formal addresses. Prerequisite: Public Address B32 or equivalent. 2 units. *TTh, V*.

C134b. Reading of Dramatic Literature. MR. SCOTT

The intensive study of a limited number of standard plays, with emphasis on dramatic values in character and plot. Interpretative reading of these plays in class. Recital programs before the class. Prerequisite: Public Address B33 or equivalent. 2 units. *MW, VII*.

RELIGION

Introductory Study of Religion. MR. MELAND

An orientation course for underclassmen, aiming at an elementary acquaintance with the historical and philosophical study of religious cultures, institutions, and beliefs. Attention will be given to the beginnings of the religious response, the religious life among primitive peoples, and the development of religion in higher forms of civilization, with some interpretation of the function of religion in the modern world. Each semester. *TTh, VI*.

B2a, B2b. The Religious Literature of the World.

A survey of the religious literature of the major religions, including the Hindu Vedas and Epics, the Lotus of the Good Law and Paradise Scriptures of Buddhism, the Analects of Confucianism, the Ko-ji-ki of Shinto, the Avesta of Zoroastrianism, Old and New Testament of Christianity, and the Koran of Islam. 2 units. *WF, XI. (Omitted in 1937-1938).*

B3a, B3b. The Growth of Christianity in the Modern World.

A survey of developments within Christianity since the eighteenth century with a view to interpreting its modern outlook and institutional life. The first semester deals with the development of the distinctive elements of modern Christianity. The second semester interprets the constructive program of the Christian church in modern life. 2 units. *TTh, XII. (Omitted in 1937-1938).*

C103a, C103b. The History of Religions.

A study of the religious cultures of the world through the ages. The first semester deals with the growth of religion in the ancient cultures of India, Persia, China, and Japan. The second semester covers the rise of religion in the Mediterranean world, giving particular attention to the cults of ancient Egypt, Babylon, Palestine, Greece, Rome, Christian Europe, and Islam. *(Omitted in 1937-1938).*

C105a, C105b. Modern Movements in World Religions.

MR. MELAND

A survey of significant developments in the major religions of the world since the opening of the twentieth century. Attention will be given to tendencies in the various religions to come to terms with the modern scientific outlook, and to transformations and tensions resulting from recent political and economic changes in national and world situations. *IV.*

D110. Contemporary Philosophies of Religion.

MR. MELAND

A study of present developments in philosophy of religion. Attention is given to the nature and function of religion, its relation to science, art, and morality, and to the basic concepts that enter into religious thought, followed by a survey of American philosophies of religion and related movements in Europe. First semester. *V.*

D111. The Psychology of the Religious Life.

MR. MELAND

This course aims to interpret religious living from the standpoint of the modern man, giving particular attention to the insights of modern psychology, mental hygiene, and ethics that bear upon human maturation and growth toward fulfillment of life. Second semester. *V.*

ROMANCE LANGUAGES AND LITERATURES

FRENCH

1b. Elementary. MRS. BISSIRI, MR. CROWELL

essentials of grammar and pronunciation; readings from easy modern texts; writing from dictation; practice in speaking. *IV*, *V*.

5b. Intermediate. MRS. BISSIRI, MR. CROWELL

review of grammar with the translation of moderately difficult English into French; conversation. Extensive reading of modern French texts representing as many literary forms as possible; part of this reading is done as outside assignments; French history, geography, culture, etc., are stressed in class discussions as time allows. *III*, *VII*.

a, C103b. Literature of the Nineteenth Century.

MRS. BISSIRI

In the first semester stress will be upon the theater, from the romantic period to the end of the century. In the second semester, an intensive study of the romantic poets will be made, followed by a consideration of the later poets and certain prose writers outside the field of the novel. *V*.

a-C111b. Composition and Conversation. MRS. BISSIRI

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and diction, phonetics being used as an aid. This course is conducted, for the most part, in French. *IV*.

a, D113b. Literature of the Seventeenth Century.

MRS. BISSIRI

In the first semester, introductory lectures on the historical background and the precursors of the great dramatists, with a detailed study of the great plays of Corneille and Racine and certain of the writings of Boileau, Mme. de Maintenon and others; followed in the second semester by a detailed study of Molière and a consideration of La Fontaine, La Bruyère, Descartes, Pascal, etc. *XI*.

a. Le Moyen Age et La Renaissance. MR. JONES

Introductory lectures on the language and literature of the middle ages. Study of early French poetry; Les chroniqueurs; Chanson de Roland, etc. Followed by lectures on the Renaissance and a study of the Pléiade, Rabelais, Montaigne, Marot, etc. Collateral readings. First semester. *IV*.

D120. Literature of the Eighteenth Century.

MR. JON

A critical study of the French philosophers of the eighteenth century with especial attention to Montesquieu, Voltaire and J. Rousseau. Collateral readings and reports. Second semester. *II*.

SPANISH**A1a-A1b. Elementary.**

MISS HUSSON

Essentials of grammar and pronunciation; readings from easy modern texts; writing from dictation; practice in speaking. *VI*.

B3a-B3b. Intermediate. Grammar Review and Modern Readings.

MISS HUSSON and MR. CROWELL

A review of grammar with the translation of moderately difficult English into Spanish; conversation. Extensive reading of modern Spanish texts chosen to represent as many literary forms as possible; a part of this reading is done as outside assignments. Spanish history, geography, culture, etc., are stressed in class discussions as far as time allows. Prerequisite: Spanish A1 or equivalent. *V, XI*.

C103. The Theater of the Nineteenth Century.

MISS HUSSON

Study of the works of such dramatists as Moratín, Martínez de la Rosa, Duque de Rivas, Gutiérrez, Hartzenbusch, López de Ayala, Bretón de los Herreros, Tamayo y Baus, Echegaray, and others. First semester. *VI*.

C104. The Novel of the Nineteenth Century.

MISS HUSSON

Study of certain of the works of Fernán Caballero, Pedro de Alarcón, Valera, Pereda, Galdós, Pardo-Bazán, Valdés, and Blasco Ibañez. Second semester. *VI*.

C111a-C111b. Spanish Composition and Conversation.

MISS HUSSON

Intensive drill in written and oral expression; free composition; dictation; conversation, on assigned topics or extempore, with especial stress on the acquisition of a correct pronunciation and intonation. This course is conducted, for the most part, in Spanish. *IV*.

D113a, D113b. Literature of the "Siglo de Oro."

MR. CROWELL

In the first semester, the life and works of Cervantes, including an intensive study of the "Quijote"; followed, in the second semester, by a consideration of the dramatic writings of Lope de Vega, Tirso, Ruiz de Alarcón, and Calderón. Assigned outside readings and reports. *III*.

D117. Survey of Spanish Literature.

MR. CROWELL

The development of Spanish literature from the earliest times to the present. In connection with readings and reports oppor-

ty will be afforded each student to work up phases of the subject in which he finds himself deficient. (*Omitted in 1937-38*).

, D115b. Spanish American Literature. MR. CROWELL
 ss study of some of the outstanding literary productions of
 panic America. Extensive outside readings; individual re-
 ts. Geography, history and culture are stressed in introduc-
 y lectures and class discussions. III. (*Omitted in 1937-1938*).

ITALIAN

B31b. Elementary. MR. JONES
 apid survey of the grammar with special emphasis on the pro-
 nunciation. Extensive reading of modern prose. Open only to
 dents who have a thorough grounding in French, Spanish, or
 in. VI.

the Romance field the graduate seminars offered under the
 remont Colleges plan center on the following periods of the
 rature:

French: 16th Century, 19th Century,
 Contemporary Period.
 Spanish: From Beginnings to Golden Age,
 Golden Age, 19th Century,
 Contemporary Period.

SOCIOLOGY

B21b. Elements of Sociology. MR. KIRK
 e introduction to the study of society. Designed to give the
 dent an orientation in the social sciences and to develop a
 ical, comparative, and constructive attitude toward contem-
 ary social problems. Application of sociological principles to
 dern social problems, such as race prejudice and movements
 population, urbanization and neo-Malthusianism, marriage
 l divorce, poverty and crime, child welfare, leisure time
 ivities. IV and VI.

Criminology. MR. KIRK
 e nature and evolution of crime; the organic and environ-
 ntal causes of crime; an examination of criminal procedure.
 e historical development of the principles and methods of
 ishment. The new scientific approach to the treatment of
 inquents in the courts and in penal institutions. Prevention
 delinquencies through control of the causes. First semester. V.

Labor Problems. MR. KIRK
 survey of labor problems and causes of industrial unrest, col-
 tive bargaining and trade unionism, child labor, scientific man-
 nement, labor legislation, methods of promoting industrial peace,
 oblems of reconstruction. Second semester. V.

D133. Theories of Social Reform.

MR. K

A study of various proposals for social reconstruction including The Utopians, Marxian Socialism, Fabian Socialism, Syndicalism and Anarchy. An investigation of contemporary experimental social reorganization: The British Labor Movement, The Fascist Regime, Soviet Russia and the Cooperative Movement in Europe, India, and America. First semester. *III.*

D134. Contemporary Sociological Thought.

MR. K

An analysis of the facts and forces involved in the organization and modification of society with special emphasis upon isolation, social distance, conflict and accommodation. A survey of leading sociological theories, and an historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems. Second semester. *III.*

D251, D252. Advanced Studies in Sociology.

Research in social problems and agencies. Various techniques which have been developed in sociological research will be used in making individual or group surveys for the purpose of demonstrating the relative merit, the special contribution and the definite limitations of the several tools of research. *A. (Omitted 1937-1938).*

SUMMER SESSION

though the main work of the Summer Session formerly conducted by Pomona College has been transferred to Claremont Colleges, Pomona College still maintains summer work at Laguna and Bluff Lake.

The Department of Zoology conducts work at the Laguna Marine Laboratory, Professor W. A. Hilton, Director.

At the Pomona College summer camp in the San Bernardino Mountains, Professor Taylor gives theoretical and practical work in surveying and Mr. Beggs gives instruction in applied art.

SUMMARY OF STUDENTS

1936-1937

Compiled March 1, 1937

s	-	-	-	-	-	-	-	-	-	-	-	178
s	-	-	-	-	-	-	-	-	-	-	-	177
nores	-	-	-	-	-	-	-	-	-	-	-	224
men	-	-	-	-	-	-	-	-	-	-	-	256
s	-	-	-	-	-	-	-	-	-	-	-	11
Total Enrolment	-	-	-	-	-	-	-	-	-	-	-	846

In addition to the above, 4 Claremont Colleges students, 85 College students and 1 student from La Verne College taken some work in Pomona College during 1936-1937.

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KEY TO BUILDINGS

PERMANENT



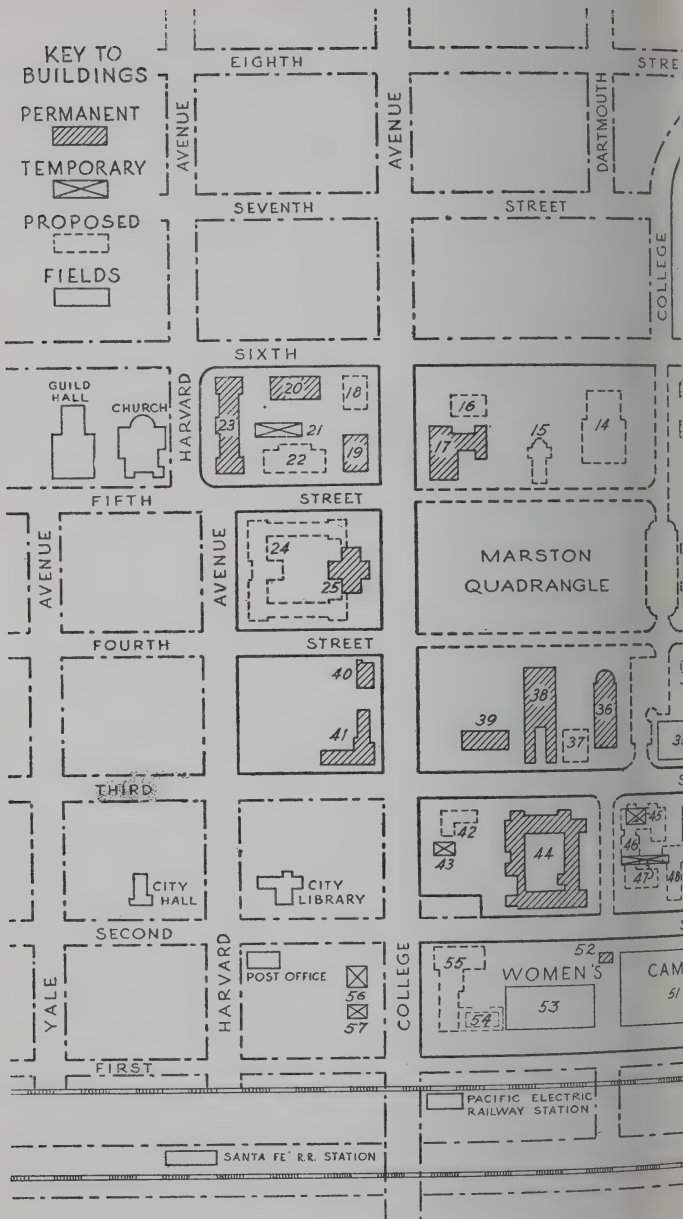
TEMPORARY



PROPOSED



FIELDS



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PERMANENT

3. Eli P. Clark Hall
5. Eli P. Clark Hall and Frary Hall
8. Tennis Courts
9. Alumni Athletic Fields
10. Training Quarters
11. Swimming Pool
13. Smiley Hall
14. Student Building

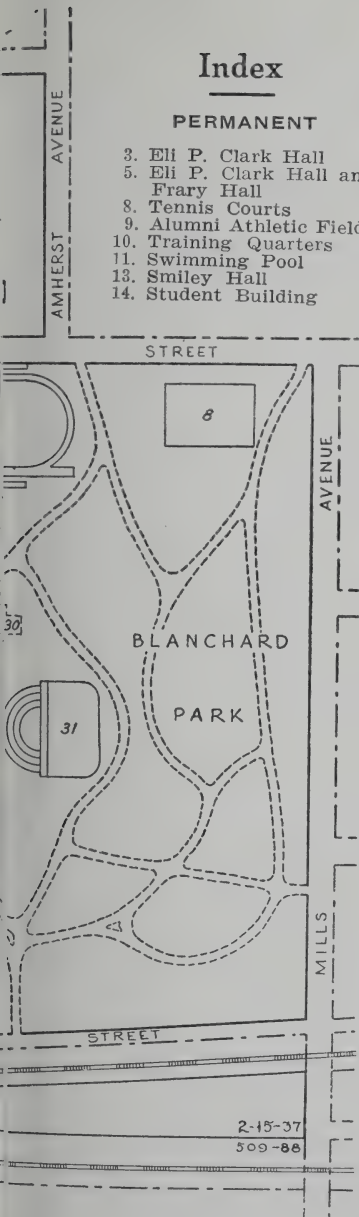
17. Holmes Hall
19. Pearsons Hall
20. Crookshank Hall
23. Mason Hall
25. Library
26. Bridges Auditorium
29. Volley Ball Court
- 29-A. Baseball Field
30. Brackett Observatory
31. Open-Air Theater
32. Hockey Field
33. Tennis Courts
35. Tennis Courts
36. Sumner Hall
38. Bridges Hall
39. Rembrandt Hall
40. President's House
41. Claremont Inn
44. Harwood Court
49. Florence Carrier Blaisdell Hall
51. Women's Playing Field
52. Field House
53. Women's Playing Field
58. Heating Plant

TEMPORARY

6. Garages
7. College Shops
21. Harwood Hall
27. Little Gymnasium
28. Big Gymnasium
43. Baldwin House
45. Kenyon House
47. Garages
50. Brackett House
56. Haddon Hall
57. Denison House

PROPOSED

1. Dean's House
2. Men's Dormitory
4. Browsing Room and Lounge
12. Men's Gymnasium
15. Chapel
16. Dramatic Studio
18. Botany Building
22. Physics Building
24. Addition to Library
30. Brackett Observatory
34. Museum of Pomoniana
37. Music Annex
42. Residence for Dean of Women
46. Women's Dormitory
48. Women's Dining Hall
54. Pool
55. Women's Gymnasium



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Annual Catalog

1938-1939

Claremont, California

CORRESPONDENCE

Correspondence should be addressed as follows, the postoffice address being in every case Pomona College, Claremont California:

Requests for catalogs, bulletins and general information, also inquiries regarding Public Events and Lectures - - -

- - - - - SECRETARY OF THE FACULTY

Admission of Students - - - DIRECTOR OF ADMISSIONS

Business Affairs - - - - - CONTROLLER

Student Affairs - - - - - DEAN OF THE COLLEGE
and DEAN OF WOMEN

Alumni Affairs - SECRETARY OF THE ALUMNI ASSOCIATION

POMONA COLLEGE BULLETIN

PUBLISHED MONTHLY, EXCEPT JULY AND AUGUST,

BY POMONA COLLEGE

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Vol. XXXV APRIL, 1938

No. 8

HOSPITALITY

The Claremont Inn, beautifully located on College Avenue opposite the campus, is the guest house of the colleges and community, and is owned and operated by the institution. Parents and friends are invited to use the facilities of the Inn for long or shorter periods during visits to Claremont. Public and private dining rooms and accommodations for sixty guests under both the American and European plans are provided. Students who do not return home during vacation periods find the Inn a convenient vacation home. The hospitality of the Inn expresses in part the friendliness of the colleges and the community.

Fifty-first Year

Claremont College Bulletin

ANNUAL CATALOG

REGISTER OF OFFICERS AND
TEACHERS FOR THE YEAR
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FOR ADMISSION, DESCRIPTION
OF COURSES AND GENERAL
INFORMATION

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JUL 6 - 1938
UNIVERSITY OF ILLINOIS

April, 1938

CLAREMONT · CALIFORNIA

Published by the College

1939

JANUARY							JULY							JANUARY							JULY						
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						31																					

COLLEGE CALENDAR

1938

ber	19, <i>Monday</i>	Conference Day for all new students
ber	20, <i>Tuesday</i>	Registration Day for all new students
ber	21, <i>Wednesday</i>	Registration Day for returning students
ber	22, <i>Thursday</i>	Registration Day for returning students
ber	22, <i>Thursday</i>	Opening Convocation, 11:00 a. m.
ber	22, <i>Thursday</i>	First Semester Classes begin, 1:15 p. m.
r	13, <i>Thursday</i>	Founders Day, Flame Ceremony, 11:00 a. m.
ber	23, <i>Wednesday</i>	Thanksgiving Recess begins, 6:00 p. m.
ber	28, <i>Monday</i>	Thanksgiving Recess ends, 8:00 a. m.
per	15, <i>Thursday</i>	Christmas Music, 7:00 p. m.
ber	16, <i>Friday</i>	Christmas Recess begins, 6:00 p. m.

1939

ey	3, <i>Tuesday</i>	Christmas Recess ends, 8:00 a. m.
ey	25, <i>Wednesday</i>	Examinations Begin
ry	4, <i>Saturday</i>	First Semester Ends
ry	6, <i>Monday</i>	Registration Day for Freshmen, Sophomores and Specials
ry	7, <i>Tuesday</i>	Registration Day for Juniors and Seniors
ry	8, <i>Wednesday</i>	Second Semester Classes begin, 8:00 a. m.
ay	9, <i>Thursday</i>	Opening Convocation of Second Semester, 11:00 a. m.
ay	25, <i>Saturday</i>	Matriculation and Parents' Day Convocation, 11:00 a. m.
	14, <i>Friday</i>	Spring Recess begins, 6:00 p. m.
	24, <i>Monday</i>	Spring Recess ends, 8:00 a. m.
	26, <i>Friday</i>	Memorial Convocation
	6, <i>Tuesday</i>	Examinations begin
	19, <i>Monday</i>	Commencement

SUMMER VACATION

ber	18, <i>Monday</i>	} Registration Days
ber	19, <i>Tuesday</i>	
ber	20, <i>Wednesday</i>	
ber	21, <i>Thursday</i>	Convocation, 11:00 a. m.

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BOARD OF TRUSTEES

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Vice-President
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Controller

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 PAUL S. ARMSTRONG

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 RALPH J. REED
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 JAMES W. FIFIELD, JR. D.D.

Los Angeles
 Santa Ana
 Los Angeles
 Berkeley
 Los Angeles
 Los Angeles

Term of Office Expires June, 1942

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 GEORGE L. EASTMAN
 EDWIN F. HAHN
 SEELEY G. MUDD, M.D.
 RUDOLPH J. WIG
 ELIZABETH C. TREANOR

Los Angeles
 Hollywood
 Pasadena
 Los Angeles
 Pasadena
 Los Angeles

FACULTY¹

LES KEYSER EDMUNDS 345 College Ave.

President, 1928.

., Johns Hopkins University; Ph.D., Johns Hopkins University.

N CLARENCE NORTON 145 W. Seventh St.

Dean of the Faculty and Professor of the Greek Language and Literature on the Edwin Clarence Norton Foundation, 1888. Emeritus.

K PARKHURST BRACKETT 270 E. Third St.

Professor of Astronomy on the Frank Parkhurst Brackett Foundation and Director of the Observatory, 1888. Emeritus.

E ELLA BERRY 353 W. Eleventh St.

Dean of Women, and Associate Professor of Mathematics, 1909. Emeritus.

OND CUMMINGS BROOKS 5353 W. 3rd St., Los Angeles

Professor of Religion on the Nancy M. Lyon Foundation, 1921. Emeritus.

AM POLK RUSSELL 506 E. Sixth St.

Professor of Mathematics on the Joseph W. Fiske Foundation, 1904. Emeritus.

AL GARBUTT FRAMPTON² 927 Harvard Ave.

Professor of the English Language, 1904.

., M.A., D.Litt., Illinois College; M.A., Harvard University.

AM ATWOOD HILTON 1293 Dartmouth Ave.

Professor of Zoology on the Willard George Halstead Foundation, 1905.

., Cornell University; Ph.D., Cornell University.

RD CAPEN EWER 706 Indian Hill Blvd.

Professor of Psychology, 1916.

., Brown University; M.A., Brown University; Ph.D., Harvard University.

E HAINE LYMAN 357 W. Tenth St.

Professor of Applied Music, Head of Department of Music, 1917.

., Grinnell College. Student in voice with Karleton Hackett, William Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes Cooper and other American masters and with Vittorino Moratti in Berlin.

¹Faculty arranged in order of appointment to present rank. The date in each case denotes the beginning of original term of service.

²on leave, second semester, 1938-39.

MARO BEATH JONES

807 College A

Professor of French Literature and Instructor in Italian, 1911.
 B.A., Boston University; M.A., Boston University. Graduate Stud
 Universities of Chicago, Geneva and Barcelona.

WILLIAM EVAN NICHOLL

Eli P. Clark H

Dean of the College and Professor of Education, 1919.
 B.A., Bellevue College; M.A., Columbia University. Graduate Stud
 Edinburgh University.

HOMER ELMER ROBBINS

487 Harrison A

Professor of Classical History and Language, 1915.
 B.A., M.A., Ph.D., University of Michigan.

BRUCE McCULLEY

210 E. Foothill Bl

Professor of English Literature, 1921.
 B.A., Hiram College; M.A., University of Chicago; Ph.D., Harv
 University.

WILLIAM KIRK

705 Indian Hill Bl

Professor of Social Economics on the Henry Snyder Foundation, 192
 B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

GEORGE SAMUEL BURGESS

1175 College A

Professor of Law and Secretary of the Faculty, 1918.
 B.A., University of Michigan; J.D., University of Michigan.

EUGENE WHITE NIXON¹

1034 Harvard A

Professor of Physical Education for Men, 1916.
 B.A., Monmouth College; M.A., Columbia University. Graduate Stud
 Illinois and California Universities.

FRANK WESLEY PITMAN²

116 E. Twelfth

*Professor of History on the Warren Finney Day Memorial Found
 tion, 1924.*
 Ph.B., Yale University; M.A., Yale University; Ph.D., Yale University.

ROLAND RAY TILESTON

1129 Dartmouth A

Professor of Physics on the Seeley W. Mudd Foundation, 1925.
 B.A., Dartmouth College; M.A., Dartmouth College; D.Sc., Col
 College.

¹Absent on leave, first semester, 1938-39.

²Absent on leave, second semester, 1938-39.

HARLES TABOR FITTS 826 Harvard Ave.
Professor of Education, 1919.

B.A., Amherst College; M.A., University of California. Graduate Student, Harvard University.

HILIP ALEXANDER MUNZ¹ 1165 Indian Hill Blvd.
Professor of Botany on the Henry Kirke White Bent Foundation, 1917.

B.A., M.A., University of Denver; Ph.D., Cornell University. Graduate Student, University of Chicago.

ENNETH DUNCAN 1100 Harvard Ave.
Professor of Economics on the Stedman-Sumner Foundation, 1926.

B.A., Wabash College; M.A., University of Wisconsin; Ph.D., University of Michigan.

L FRED OSWALD WOODFORD 443 W. Tenth St.
Professor of Geology, 1915.

B.A., Pomona College; Ph.D., University of California.

SSIE EDITH GIBSON
Dean of Women on the Martha N. Hathaway Foundation, 1927.

B.A., University of Idaho; M.A., University of Washington. Graduate Student, California and Columbia Universities.

HARLES JUDSON ROBINSON 809 Indian Hill Blvd.
Professor of Chemistry on the Carnegie Foundation, 1927.

B.S., Illinois Wesleyan University; Ph.D., Johns Hopkins University.

WARD TAYLOR 1022 Harvard Ave.
Professor of Engineering Mathematics, 1920.

C.E., University of Minnesota; M.A., University of Southern California. Graduate Student, University of Oregon.

WARD MCCHESNEY SAIT 238 E. Seventh St.
Professor of Political Science, 1928.

B.A., Toronto University; M.A., Toronto University; Ph.D., Columbia University.

RIESTER GEORGE JAEGER² 1045 Yale Ave.
Professor of Mathematics, 1931.

B.A., B.S., M.A., Ph.D., University of Missouri.

¹ sent on leave 1938-39.

² sent on leave, first semester, 1938-39.

ROBERT SIDNEY ELLIS¹

1120 Harvard A

Professor of Psychology, 1931.

B.A., University of Arkansas; Ph.D., Clark University.

WALTER ALFRED ALLEN

175 East 12th

*Professor of Musical Theory and Appreciation, 1912.*B.A., Beloit College; B.Mus., Yale University. Associate, American G
of Organists.

EVERETT SAMUEL OLIVE

University Club, 8th and Amb

*Professor of Piano, 1923.*B.Mus., Simpson College. Graduate Student, Simpson College. Pupi
Moritz Mayer-Mahr and Mme. Teresa Carreno in Berlin.

JOSEPH WADDELL CLOKEY

Via Los A

*Professor of Organ, 1926.*B.A., Litt.D., Miami University. Graduate, Cincinnati Conservatory
Music.

HOWARD HUNT PATTEE

188 West 7th

*Director of Admissions, 1932.*B.A., Pomona College; M.A., Stanford University; Graduate Stud
Columbia University.

JAMES WHITE CROWELL

1278 Yale A

*Professor of Romance Languages, 1929.*B.S., Haverford College; M.A., Haverford College; Ph.D., Cornell U
versity.

CHARLES P. STIVERS

505 West 12th

*Professor of Military Science and Tactics, 1936.*B.S., University of Wisconsin; Graduate, Advanced Course, Infa
School; Graduate, Command and General Staff School; Graduate, A
War College. Major, Infantry, U. S. Army.

ELIZABETH KELLEY

Maryland A

*Professor of Physical Education for Women, 1928.*B.A., University of Wisconsin; M.A., New York University. Grad
Student, Stanford University.ELLIOTT CURTIS LINCOLN¹

472 W. Tenth

*Associate Professor of English Literature, 1924.*B.A., Colby College; M.A., State College of Washington and Har
University.

BENJAMIN DAVID SCOTT

828 College A

*Associate Professor of Public Address, 1923.*B.A., University of Southern California; S.T.B. Boston University; P
Boston University. Graduate work, Boston, Brown and Harvard
versities.¹Absent on leave, first semester, 1938-39.

WALTER TICKNOR WHITNEY 445 W. Tenth St.
*Associate Professor of Astronomy, and Director of the Frank P.
 Brackett Observatory, 1929.*
 B.S., M.S., Pomona College; Ph.D., University of Chicago.

BERNARD EUGENE MELAND 1111 Harvard Ave.
Associate Professor of Religion, 1936.
 B.A., Park College; Ph.D., University of Chicago. Graduate Student,
 McCormick Theological Seminary, Marburg University.

THOMAS MONTAGUE BEGGS 424 W. Tenth St.
Associate Professor of Art, 1926.
 B.F.A., Yale University. Graduate, General Art Course at Pratt Institute.

EARL BAUMANN¹ 459 West 11th St.
Associate Professor of German, 1931.
 Ph.D., University of Basel.

ALPH HALSTEAD PARKER
Librarian, 1937.
 B.A., M.A., Ph.D., University of Texas.

FRANCIS RAYMOND IREDELL 1060 College Ave.
Associate Professor of Philosophy, 1925.
 B.A., Pomona College; M.A., Ph.D., Harvard University.

AROLD DAVIS 435 W. 8th St.
Associate Professor of English, 1927.
 B.A., Stanford University; B.A. and B.Litt., Oxford University.

OLVIN HEATH 270 W. 12th St.
Assistant Professor of Physical Education for Men, 1922.
 B.A., Pomona College; M.A., Stanford University.

ROBERT LOBINGIER STREHLE 1019 Dartmouth Ave.
Assistant Professor of Physical Education for Men, 1923.
 B.A., Pomona College. M.A., Claremont Colleges. Graduate Student, Uni-
 versity of Southern California, University of California, Stanford Uni-
 versity.

¹Absent on leave, first semester, 1938-39.

ROSA FRIEDA BISSIRI¹

232 West 5th

Assistant Professor of French, 1920.
B.A., Kreuzlingen College, Switzerland.

MARGARET HUSSON

Maryland A

Assistant Professor of Spanish, 1925.
B.A., University of Kansas; M.A., Columbia University. Graduate student, centro de Estudios Históricos, Madrid.

EMILIE ELIZABETH WAGNER

428 W. Tenth

Assistant Professor of German, 1928.
B.A., Smith College; M.A., Pennsylvania State College. Doctorate from l'Université, mention Lettres, Toulouse.

MARION JEANETTE EWING

487 W. Sixth

Assistant Librarian, 1912.
B.A., Olivet College; B.S., Simmons College; M.A., Boston University.

CURTIS HAUPT¹

451 West 7th

Assistant Professor of Physics, 1930.
B.A., Colorado College; M.A., University of California. Ph.D., University of California.

ERNEST ALBERT STRATHMANN

160 West 11th

Assistant Professor of English, 1932.
B.A., M.A., Ph.D., Johns Hopkins University

NORMAN THEODORE NESS

529 Indian Hill Blv

Assistant Professor of Economics, 1928.
B.A., Carleton College; M.A., University of California; Graduate Student, Harvard University.

GORDON SUTHERLAND²

120 W. 9th

Assistant Professor of Piano, 1931.
B.Mus. and M.Mus., American Conservatory of Music.

ADA COOPER CAWSEY

130 W. Tenth

Assistant Professor of Physical Education for Women, 1930.
B.S., University of Wisconsin. Graduate Student, Universities of Wisconsin and Southern California.

FRANK E. BARBER

430 West 12th

Assistant Professor of Military Science and Tactics, 1937.
Graduate, Infantry School. Major, U. S. Army.

¹Absent on leave, second semester, 1938-39.

²Absent on leave 1938-39.

RAYMOND GOSS MCKELVEY

489 West 6th St.

Assistant Professor of Political Science, 1937.

B.A., Cornell University; M.A., Claremont Colleges; Graduate Student, Columbia University.

KENNETH G. FISKE

905 Harvard Ave.

Assistant Professor of Violin, 1936.

B.Mus., M.Mus., American Conservatory of Music.

EARL JAY MERRITT

Eli P. Clark Hall

Instructor in Physical Education, and Freshman Class Adviser, 1925.

B.A., Pomona College.

MARY C. LOVE

466 W. Sixth St.

Head of Library Loan Department, 1929.

B.A., M.A., Stanford University.

VIRGINIA PRINCEHOUSE ALLEN

175 East 12th St.

Instructor in Dramatics, 1930.

B.A., Pomona College; Graduate Student, School of Dramatics, Yale University. M.A., Claremont Colleges.

MUCILLE STEVENSON

423 W. Cucamonga

Instructor in Voice, 1931.

Student of Charles W. Clark, Alice Prince Miller and Rita Bastiannini.

ESTHER GOSS BRISTOL

712 Yale Ave.

Instructor in Physical Education for Women, 1935.

B.A., Pomona College; M.A., Columbia University.

LIZABETH CAWTHORNE

736 N. College Ave.

Instructor in Physical Education for Women, 1935.

B.A., M.A., University of California.

CYRIL JURECKA

163 W. 11th St.

Instructor in Art, 1932.

Graduate, Imperial and Royal College of Sculpture, Horice, Bohemia, now Czechoslovakia.

CONSTANCE HASTINGS WOOD

353 West 11th St.

Recorder, 1936.

B.A., Smith College.

WILLIAM G. BLANCHARD

140 West 8th St.

Instructor in Music, 1936.

B.Mus., DePauw University; M.Mus., University of Michigan.

JOHN HASKELL KEMBLE

Eli P. Clark Hall

Instructor in History, 1936.

B.A., Stanford University; M.A., Ph.D., University of California.

HUGH J. HAMILTON

710 West 3rd St., Pomona

Instructor in Mathematics, 1936.

B.A., University of California at Los Angeles; M.A., Ph.D., Brown University.

DORIS EMILY CLAYTON

487 West 6th St.

Instructor in Biology, 1936.

B.A., San Diego State College; M.A., Claremont Colleges; Graduate Student Stanford University.

CHARLES BURTON FAHS

536 West 6th St.

Instructor in Oriental Affairs, 1936.

B.S., M.A., Ph.D., Northwestern University; Graduate Student, University of Berlin. Fellow of General Education Board in Paris and Japan.

GERALDINE WOMACK

324 Yale Ave.

Instructor in English, 1937.

B.A., Pomona College; Graduate Student, University of London.

GEORGE N. TYSON

329 West 7th St.

Instructor in Chemistry, 1938.

B.A., Pomona College; Graduate Student, Claremont Colleges.

FLORENCE JEANNETTE YOUNGBERG

Instructor in Botany, 1938.

B.A., San Diego State College; M.A., Claremont Colleges. Graduate Student, Stanford University.

NORMAN ELLIOTT

Instructor in Chemistry, 1938.

B.A., M.A., Oberlin College; Graduate Student, California Institute of Technology.

DEPARTMENTAL LECTURERS

IN ANTHROPOLOGY

MORRIS EDWARD OPLER

Assistant Professor of Anthropology, Claremont Colleges.
B.A., M.A., University of Buffalo; Ph.D., University of Chicago.

IN ECONOMICS

ARTHUR GARDINER COONS

Professor of Economics, Claremont Colleges.
B.A., Occidental College; M.A., Ph.D., University of Pennsylvania.

IN HISTORY

WILLIAM HENRY COOKE

Director of Studies, Claremont Colleges.
B.A., M.A., Pomona College; Ph.D., Stanford University.

IN PSYCHOLOGY

FRANCIS THEODORE PERKINS

Assistant Professor of Psychology, Claremont Colleges.
B.A., Ph.D., University of Kansas.

IN SOCIAL SCIENCES

ALFRED SULZBACH

Lecturer in Social Sciences, Pomona College.
Doctor Rerum Politicarum, University of Freiburg.

FACULTY COMMITTEES

1938 - 1939

ADMINISTRATION—Jaeger, McCulley, Munz, Tileston, Duncan.

ADMISSION—Pattee, Nicholl, Gibson, Crowell, Taylor.

ATHLETIC COUNCIL—Woodford, Nicholl, Strehle, three student representatives, and two Alumni representatives.

CLASSIFICATION—Nicholl, Whitney, Pattee, Wood, Ness.

COLLEGE LIFE—Nicholl, Gibson, Duncan, Merritt, Kelley, President and Vice-President Associated Students.

COURSES OF STUDY — Burgess, Clayton, Fitts, Meland, Husson, Strathmann.

ENGLISH—Strathmann, Hamilton, Scott.

HEALTH—Robinson, Nicholl, Gibson, Strehle, Kelley, A.W.S. and A.M.S. Presidents, consulting members on call.

HONORS—Davis, Robbins, Robinson, Kemble.

LIBRARY—Duncan, Parker, Ewing, Burgess, Hilton, Crowell.

PERSONNEL — Gibson, Nicholl, Fitts, Pattee, Merritt, Tileston, Husson, Kelley, Wood.

PUBLIC EVENTS—Nicholl, Burgess, Lyman.

RELIGIOUS INTERESTS INCLUDING CHAPEL—Meland, Nicholl, Lyman

SCHOLARSHIPS—Iredell, Gibson, Nicholl, Tileston, Allen.

STUDENT AID—Nicholl, Gibson, Pattee, Merritt.

GENERAL INFORMATION

EARLY DAYS

Pomona College owes its inception to early settlers in Southern California whose previous affiliations led them to attempt the founding of a "Christian College of the New England type." Under the leadership of the Reverend Charles B. Sumner, a devoted and self-sacrificing group were appointed members of the first Board of Trustees by the General Association of Congregational Churches of Southern California.

ORIGINAL TRUSTEES

Henry Kirke White Bent	Pasadena
Nathan W. Blanchard	Santa Paula
Anson Brunson	Los Angeles
Elwood Cooper	Santa Barbara
James T. Ford	San Bernardino
James H. Harwood	San Diego
David D. Hill	Pasadena
Theodore C. Hunt	Riverside
George W. Marston	San Diego
John K. McLean	Oakland
Henry A. Palmer	Oakland
Seth Richards	Boston, Mass.
Charles B. Sheldon	Pomona
Charles B. Sumner	Pomona
Andrew J. Wells	Long Beach

Of this group, Mr. George W. Marston is still a member of the Board. He served as its President for twenty-seven years, and is now Honorary President.

The College was incorporated October 14, 1887. The work of construction was begun in September, 1888, in a small house rented in Pomona. In the following January an unfinished hotel in Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. Although this location was originally regarded as temporary, Claremont was later made the permanent seat of the College. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained, notwithstanding the location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. Since 1915 the enrolment has been held at approximately 750 divided equally between men and women and among the four classes.

A NEW DEPARTURE

The imperative demand for expansion led to the adoption under the inspiring leadership of President James A. Blaisdell, of the group plan of affiliated colleges, in which the obvious advantages of the small college are retained while still making possible the gathering together of the equipment that is justified only in a large university. To this end "Claremont Colleges" was incorporated October 14, 1925, and the first of the new units known as Scripps College in honor of Miss Ellen Browning Scripps whose generosity and vision made it possible, was opened in September, 1927, as an affiliated but separate college for women.

Claremont Colleges, with its own trustees known as "The Board of Fellows," some of whom are also trustees of Pomona or of Scripps, constitutes a central group, focusing a mutual effort set to return to each member of that group a stimulating and supplementing influence. Through the bequest of the late Seeley W. Mudd, first chairman of its Board of Fellows, and erstwhile a trustee of Pomona College, Claremont Colleges received a fund of one million dollars for the establishment of its work.

These three institutions, Pomona, Scripps and Claremont, are independent, but cooperate in maintaining certain mutual activities and facilities. Pomona and Scripps exchange upper division classroom privileges, thus enlarging the opportunity of the more advanced students for a choice of instructors and subject matter. The Graduate School, the central library, the summer session, and in part the sponsoring of research work are carried on as common enterprises of the three institutions under the administration of Claremont Colleges. The buildings and facilities of Claremont Colleges and the laboratories of Pomona College are for the use of all.

Claremont Colleges undertakes also in behalf of the group the administration of the health service, which includes the full time of a physician and the operation of a thoroughly up-to-date

firmly, the responsibility for an auditorium seating 2600 and for the music and lecture courses presented in it each year, the development of a central heating plant, the purchasing and cataloging of books for all three libraries, and the conduct of a common business office, each institution sharing proportionately in the cost of these common services. An "Intercollegiate Council" serves as a co-ordinating agency for matters of mutual concern.

POMONA'S IDEAL

A vital feature of the Claremont plan is the enhancement of scholarly life among undergraduates. Pomona represents the effort to maintain in an exceptionally favorable environment a small independent residence college where the inestimable advantages of intimacy are secured, but where the advantages of ample facilities and intense competition are also secured by its association with these other colleges situated in close proximity to it, and where the selective process assures, as nearly as possible, a company of students who will really profit by college experience. From the very beginning Pomona College has maintained a reputation for interest in thorough scholarship rather than in large numbers. Membership in the institution itself is regarded as a scholastic honor.

HONORS WORK

Since September, 1924, Pomona has been developing the so-called honors type of instruction, the purpose of which is to free students of more than average ability from some of the routine requirements such as compulsory attendance in classes, frequent tests and conformity in the study of textbook assignments. Such students are encouraged to limit the scope of their work and to concentrate, in their junior and senior years, in their chosen field of study, preferably in programs composed of one major subject and one or two minors, so that the student may achieve a certain mastery and a sense of unity of knowledge in a fairly large division of learning. The student is offered the opportunity of periodic private conferences with his major adviser, who helps him in his courses and his reading, criticizes his reports, and helps in achieving that integration of learning which constitutes a liberal education.

In a word, Pomona College, in the midst of a very rapidly developing region of Southern California, is endeavoring to maintain the values of a broad cultural preparation for life.

SOCIAL TRAINING AN ESSENTIAL PART OF EDUCATION

In seeking to achieve this purpose Pomona is making use of living conditions, dormitories, dining halls, social intercourse, to an extent and in a way not yet adequately developed in our American colleges generally, as a fundamentally important part of the undertaking.

Dining in the great hall for men or in the women's new hall induces social amenities not acquired otherwise. Exchange dinners between the women's campus and the men's campus afford opportunities for social intercourse and entertainment at no extra expense. The fraternities have their special rooms within the dormitories in close association with the rooms assigned to the members of the several groups.

Pomona's co-educational character greatly increases the culture of its student body. Working together on the highest levels of life, men and women are most likely to associate in mutual respect and dignity. The graduates of this college testify that these relations add to the genuine wholesomeness and rounded worth of the student's life. While emphasizing social values and opportunities, the college, however, holds them subordinate to the main business of study and work.

Since the determining purpose of the College is to help each student to develop for himself an adequate philosophy of life, it feels obligated to promote the consideration of those age long spiritual aspirations and interpretations which constitute religion and to urge each student to correlate correctly these factors with the discoveries resulting from the application of careful scientific method in all other fields of human investigation. The College does not ask its students to adopt any given set of religious interpretations but it does ask each one, as an indispensable part of his education, to seek an interpretation of his own guided by a critical study of those arrived at by others. It thus seeks to resource the coming generation with a leadership of intellectual capacity, directed will and noble character.

While originally Congregational in organization, the College

ng ago made itself the servant of a wider fellowship. The
ard of Trustees is a self-perpetuating body, absolutely free from
clesiastical control but pledged nevertheless under its charter to
aintain the institution as truly Christian, though nonsectarian.

BUILDINGS AND EQUIPMENT

In addition to the grounds and buildings administered by Clare-
ont Colleges in behalf of both Pomona College and Scripps
ollege, Pomona College itself occupies about one hundred and
venty acres, of which sixty are included in Blanchard Park,
out ten in Alumni Athletic Field, and fifty in the campus
roper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from the
entral heating plant operated by Claremont Colleges.

The Mary L. Sumner Hall, named in memory of the wife of
ev. Charles B. Sumner, LL.D., one of the Founders of Pomona
College, has been removed from its original site and remodeled
or administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Monson,
Massachusetts, reconstructed in 1916 in conformity with more
modern plans for buildings and campus, is devoted mainly to
hapel and recitation rooms, departmental offices and the offices
f the Associated Students.

The Business Office of Pomona College is maintained in Harper
Hall, administered by Claremont Colleges.

The Library, the gift of Mr. Andrew Carnegie, is an imposing
tructure, well adapted to the purposes for which it was built.

The Albert K. Smiley Hall, the first dormitory for men, ac-
commodates sixty-five students and one instructor. It is com-
pletely furnished with all modern conveniences.

The Eli P. Clark Campus for Men includes: The Dormitory
or Freshmen, which provides superior quarters for some 105
tudents besides the House Master and one or more instructors;
wo additional dormitories accommodating some 165 upperclass-
nen; Frary Hall, the Dining Hall for Men, the gift of Mr. George
W. Marston in memory of Rev. Lucien H. Frary, a Trustee from
1892 to 1903. Besides the Great Hall which will seat 450, there
are three smaller dining rooms for special uses.

Harwood Court, a modern dormitory which includes Strong Hall, accommodates 180 women. Florence Carrier Blaisdell Hall, named in honor of Mrs. James A. Blaisdell, houses 80 women. The College also maintains several houses with similar accommodations. All women residents are served by the Aurelia Squier Harwood Memorial Dining Hall.

The Student Union, provided through the gifts of many parents supplemented by funds from the Associated Students and the bequest of the late Florence Riley, houses student offices, including publications, the graduate manager, and the Cooperative Store. It provides a social center for all students and an attractive and adequate ballroom so that off-campus dances are not necessary.

Rembrandt Hall is devoted to the Department of Art. The upper floor contains studio and work rooms; the lower floor two auditoriums of moderate size for exhibits and lectures.

The Mabel Shaw Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges of San Diego, offers excellent facilities for the study of music.

The Mabel Shaw Bridges Auditorium, under the auspices of Claremont Colleges, has a seating capacity of 2600 and is available for Pomona College events. It, too, was the gift of Mr. and Mrs. A. S. Bridges in memory of their daughter who attended Pomona College.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, seats over 4000.

The Gymnasium, comprising two structures, affords equipment for indoor physical training supplementing the various playing fields for men and for women.

The Memorial Training Quarters stands as a remembrance of the Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of these men, Sheldon Gerry, '17, supplemented by those of alumni, students and friends. Alongside the Training Quarters is a modern standard size swimming pool for men.

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, contains the laboratories and lecture rooms of the departments of physics and mathematics.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn Ixby, '01, serves the Department of Astronomy.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, contains lecture rooms and laboratories for the use of the Departments of Botany and Psychology.

The Mason Hall of Chemistry, the gift of Mr. W. S. Mason, provides ample facilities for the study of Chemistry.

The Crookshank Hall of Zoology, the gift of Mr. D. C. Crookshank, provides amply for the needs of the Department of Zoology.

A replica of the original house in Pomona in which the College first opened in September, 1888, has been erected on the campus recently, through the generosity of an anonymous donor. It will house the historical exhibit set up in recognition of the fiftieth Anniversary, and will become ultimately a museum of Pomoniana.

The Marine Laboratory, located at Laguna Beach, has nine private rooms for special workers and two general laboratories, as well as storerooms, work rooms and aquarium room.

The Pomona College summer camp at Bluff Lake in the San Bernardino Mountains consists of five cabins, located on the tract of 120 acres given to Pomona College by Mr. J. S. Edwards. The camp, at an elevation of 7,500 feet, is in a region of great and unspoiled natural beauty.

The College operates its own independent deep well water supply, the gift of Edward P. and Mary G. Bosbyshell.

The Medical Dispensary and the Infirmary operated by Claremont Colleges include the students of Pomona College in their service.

THE LIBRARY

An adequate library of 87,100 well selected volumes and 99,200 pamphlets is available for student use. Most of the pamphlets are unbound government documents, equivalent to about 9,000 volumes if bound. The library receives subscriptions to 800 periodicals and maintains bound files of approximately 500, many of which are complete. Especially valuable are the periodical holdings in the field of natural science. It is a depository for U. S. government Documents and the publications of the

Carnegie Institution. The library with the exception of science department collections is housed in the Carnegie Library building constructed in 1908. Its reading rooms accommodate 165 readers. The following special collections are a part of the general library: the Cook-Baker Biological Library and the Parish Botany Library in Crookshank Hall; the Astronomical Library in the F. P. Brackett Observatory; the James A. Lyman Memorial Library of Chemistry and the Geology Library in Mason Hall; and the Physics Library in Pearsons Hall. Housed in the main building are the New England, the Mason California, and the Wagner North Pacific Libraries and the Westergaard and Carnegie Art Collections.

The library is open to the students and faculty of the Associated Colleges and to the residents of Claremont. Permission to use the library by persons not connected with the colleges must be obtained from the librarian.

An experienced and efficient staff member is on duty to assist students at all hours which the library is open. Most of the books are on open shelves where students may consult them at all times. With the exception of reference books, periodicals, and rare volumes, books may be borrowed for two weeks. Certain books in great demand for class use are placed on reserve, subject to special circulation rules.

In addition to the facilities of Pomona College Library there are also available the libraries of Scripps College and of Claremont Colleges. The Scripps College Library of approximately 20,000 volumes is housed in the Ella Strong Denison Library. It contains in addition to its general collection the McPherson Collection of books about women, and the Stephenson Memorial Collection of American History. The library of Claremont Colleges, located in Harper Hall, contains approximately 26,000 volumes, including the Oriental Library and the George Burton Adams Collection of English History.

LECTURE FOUNDATIONS

THE JOSEPH H. JOHNSON FOUNDATION, liberally endowed by Miss Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions. By this means such educators are annually in residence in Pomona College. The opportunity of intimate contact with dis-

guished instructors thus afforded to undergraduates is a unique privilege, often surpassing the privileges of the classroom of the institution from which these educators come.

THE HENRY D. PORTER FOUNDATION, named in honor of the late Rev. Henry D. Porter, for many years a missionary in China, makes a lecture to the institution annually, the extended stay of some prominent worker in the field of Christian Missions. The lecturer upon this foundation commonly shares in the regular classroom work related to the history, geography, politics or religion of the region in which he has been actively at work. This vivid representation of the missionary life is one of the most stimulating features in the spiritual program of the College.

THE CLARK FOUNDATION, established by Mr. Arthur O. Clark, makes it possible for the College to offer each year a lecture or course of lectures in the general field of religion.

MUSIC

In order to insure to the entire student body the opportunity of hearing and seeing the great artists of the day, whose public appearance is usually confined to the larger cities, the College cooperates with Scripps College and Claremont Colleges in the introduction each year of a group of the most distinguished masters in the field of music. For the year 1937-38 the following artists were presented: Yehudi Menuhin, Lauritz Melchior, Jose Iturbi, the Uday Shan-Kar Hindu Ballet, Helen Jepson, and the Los Angeles Philharmonic Orchestra. For the concerts thus afforded an annual ticket is furnished to every full time student without extra charge.

Under the auspices of the Department of Music, complimentary public recitals by individual students and members of the faculty and by groups are given on Monday evenings.

The College Choir and the Men's and Women's Glee Clubs afford opportunity both for the exercise and for the appreciation of vocal talent.

PUBLIC ASSEMBLIES

It is the practice of the College to give opportunity for the consideration and expression of the common college interests.

On Thursday at 11 a.m. General Assembly is held for the purpose of hearing visiting lecturers or members of the faculty discuss topics of interest to the whole institution. Many of these

addresses are illustrated. This assembly period is also used for Student Body and Class Meetings.

On five stated occasions throughout the year, including the opening of each semester, College Convocation is held. Full attendance of both faculty and students is expected at these exercises.

On Tuesday at 11 a.m. a brief devotional Chapel Service is held, attendance at which is voluntary.

A Vesper Service of special music is offered on Sunday from five to five-thirty.

Students are urged to associate themselves for worship with the Claremont Church or those in neighboring communities, in connection with which many forms of religious activity are maintained.

CAMPUS ORGANIZATIONS

THE ASSOCIATED STUDENTS. This association attempts to coordinate all student activities. Its officers are chosen by the student body from among their own number. All important questions are first considered by the Executive Council, a governing group composed of class presidents and chairmen of other organizations representing various activities of campus interest.

ASSOCIATED MEN STUDENTS } These organizations consider
ASSOCIATED WOMEN STUDENTS } and promote the special interests of the men and women respectively.

STUDENT-FACULTY COUNCIL. In order to provide a definite channel for the discussion of college problems which directly concern both students and faculty, a joint council composed of the Faculty Committee on College Life and the members of the Student Executive Council has been formed and holds regular meetings. This joint council is not a legislative body but from time to time makes suggestions to both faculty and student groups for further consideration and action.

CLASS ORGANIZATIONS. Each of the four college classes is organized for the purpose of promoting class social life.

DEPARTMENTAL ORGANIZATIONS. Astronomical Society; El Circulo Espanol; Le Cercle Francais; Mathematics Club; German Club; Women's Athletic Association; Science Club.

PHI BETA KAPPA. The Pomona Chapter of Phi Beta Kappa is Gamma of California. Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts, and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

HONOR SOCIETIES. Alpha Delta Mu,—Journalism Fraternity; Gamma Chapter, Alpha Kappa Delta,—Sociology Fraternity; Phi Kappa Phi; Mortar Board.

LOCAL SOCIAL FRATERNITIES. Alpha Gamma Sigma; Kappa Alpha; Kappa Theta Epsilon; Nu Alpha Phi; Phi Delta; Sigma Alpha; Sigma Tau.

MUSICAL ORGANIZATIONS. Men's Glee Club; Women's Glee Club; Honorary Music Club; Symphony Orchestra.

RELIGIOUS ORGANIZATIONS. The Joint Student-Faculty-Alumni Research Council; The Student-Faculty Committee on Religion.

MISCELLANEOUS ORGANIZATIONS. Cosmopolitan club; Kalliochios,—Library Club; Masquers and Thespians,—Dramatics; Phi Kappa Chi,—Dancing; Camera Club; Ski Club.

PUBLICATIONS

The stated publications of the College are issued as numbers of the *Pomona College Bulletin*, which is published monthly (except July and August). These include:

The *Annual Catalog*.

The *Report of the President* and special topical numbers.

The *Register of Alumni*.

The *News Letter*.

The *Journal of Entomology and Zoology* is published under the auspices of the Department of Zoology.

STUDENT PUBLICATIONS

The *Student Life* is published three times a week by the student body and is devoted to current affairs.

The *Metate* is published each year by the Associated Students, and contains material appropriate to a college annual.

The *Sagehen*, a magazine of humor, is published three times a year.

The *Hand Book*, which contains material designed especial for new students, is issued at the beginning of the year by the Associated Students.

PHYSICAL ATTENTION

The physical care of students is a matter of special concern to the College and the advantages of unusual attention and opportunity are offered. The climate of Southern California offers a out-of-door life the year round. Supervision is given to athletics in all seasons. A regular physician is on the staff of Claremont Colleges, under whose direction every student on entering has physical examination. Regular work in physical education is prescribed throughout the four years, and courses in Physiology and Hygiene are given. The medical advice of the College physician is ordinarily available free of charge to all students, subject to certain conditions of hours and location of residence; but a nursing, surgical dressing and medicines are at the expense of the ill or injured, as is also medical service in chronic or prolonged illness or in case of accident, beyond ordinary first aid emergency treatment. A student is entitled to two days each semester at the College Infirmary without charge for room and meals. For additional days the charge is \$2 a day. *The College, however, reserves the right to discontinue this individual medical service at any time without previous notice.*

The College endeavors to safeguard students in the use of its physical facilities, laboratories, athletic fields, and gymnasium and to this end the departments have established regulations concerning the use of such facilities, but it is clearly understood that students who use the same do so entirely at their own risk.

ATHLETICS. The direction and financial management of athletics rest with the Director of Athletics, who has associated with him as an advisory body the Athletic Council, composed of three members of the faculty and three students. Under the general manager there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed by the alumni into athletic grounds admirably equipped and unsurpassed in the Southwest in beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, the

courses of the Indian Hill Golf Club are available, and athletic exercises and field sports are encouraged.

A swimming pool, of the standard size for water polo, and fully equipped with modern appliances, is open to men. Through the courtesy of Scripps College, the women students of Pomona enjoy the privileges of the pool at the former institution.

RESIDENCE FOR MEN

The College is equipped with dormitory and dining hall facilities to accommodate all men students and it is expected that all men not actually living at home will live in the college dormitories and board in Frary dining hall.

Dormitory and dining room privileges are provided only on the basis of an inclusive yearly charge for both board and room, the rate varying from \$425.00 to \$600.00 per year. This charge includes necessary furniture, rugs, bed linen and towels, the laundering of the same and the care of rooms. The only articles to be furnished by the student are blankets and bed spread.

Smiley Hall has both single and double rooms and suites of three rooms accommodating two students.

On the Eli P. Clark men's campus, the hall for freshmen is provided with suites of two rooms—study and bedroom—for two students. The other halls have both single rooms and suites.

RESIDENCE FOR WOMEN

It is expected that women students will room in the college residence halls and board at the dining room in Harwood Court. Freshmen are required to reside in Harwood Court. Students coming at home or working for room or board may make special arrangements with the Dean of Women.

Harwood Court, in which is included the dormitory known as Long Hall, and the several College Houses which afford residence facilities, have both single and double rooms as well as suites. Florence Carrier Blaisdell Hall, the new dormitory for women, has mostly single but also a few double rooms. Each room is provided with the necessary furnishings, including rugs, but only articles to be furnished by the student are linen and covers for a single bed.

Dormitory and dining room privileges are provided on the basis of an inclusive yearly charge for both board and room, the rate varying from \$425 to \$600 per year.

EXPENSES

EXPENSES

The tuition fee as charged covers only about one-half of the full cost of maintaining Pomona College. The money received from students is supplemented by income from permanent funds and by gifts secured from year to year.

ESTIMATE OF GENERAL YEARLY EXPENSES

	Minimum	Average	General
General Tuition	\$350	\$350	\$350
Board and Room	425	475	600
Books and Fees	30	50	100
Personal Expenses	90	125	250
Total	\$895	\$1000	\$1300

All rooms in the College residence halls are rented for the College year. The charge for rent does not include the use of the halls during the Christmas and Spring vacations, when the halls are closed. The residence halls are open for new students the Saturday before the opening of the College year, and for returning students the day of registration. Residence halls are closed the day after commencement.

A deposit of \$25 is required of all accepted candidates for admission, payable within 30 days of acceptance, unless the candidate is participating in the competitive scholarship examination.

All applicants participating in the scholarship examination who do not win scholarships but who wish to remain on the regular list of candidates for admission must deposit \$25 within thirty days of the announcement of the awards.

This deposit reserves for the student a place in college. Fifteen dollars is credited on account of his first semester's tuition and ten dollars is held as a breakage fee, from which deductions are made for individual and communal damage to college property. Any balance being credited to the student's account on graduation or withdrawal prior to August 1.

Failure to make this payment within the specified time results in the removal of the candidate's name from the reserved list both for instruction and for housing. This does not affect the eligibility of the candidate for admission, but candidates who have not paid are placed after those who have paid.

Should an accepted candidate who has paid this deposit with-
w by September 1, \$15 will be refunded. After September 1,
will be refunded only if the student's place is taken by some
er candidate, or the whole deposit of \$25 may be carried for-
d as a credit if used within two years.

The College reserves the right to dismiss from a dormitory
hout rebate any student who becomes a disturbing or unde-
ble occupant.

TUITION

Regular tuition, including all general privileges, Music
Course Ticket, Library privileges, etc., per semester—\$175.00
tion, for students, carrying less than ten units of
work, for each such unit, per semester exclusive of
bove general privileges..... 17.50

A visitor's fee of \$10.00 per course is required from those visit-
a course of study.

Laboratory fees range from \$2.00 to \$15.00. The exact fee for
ven course is stated in connection with the description of that
rse under *Courses of Instruction*; in advanced courses only
s it exceed \$10.00.

BREAKAGE DEPOSITS

Bacteriology and Plant Physiology, \$5.00 each.
Chemistry, \$10.00 for each course taken.
College Residence Halls, \$10.00.

APPLIED MUSIC

For those paying regular tuition:

Half-hour private lesson per week, per semester.....\$45.00
Half-hour in excess of one per week, per semester..... 40.00

For those carrying less than twelve hours of college
work, exclusive of work in applied music:

Half-hour private lesson per week, per semester..... 60.00
Half-hour in excess of one, per semester..... 40.00
Lessons in applied music, per semester..... 25.00

EXPENSES

PRACTICE FEES

	Per Semester
PIANO, one half-hour daily, \$3.50; one hour daily.....	\$6.00
GRAND PIANO, one hour daily.....	9.00
GREAT ORGAN, one hour weekly.....	5.00
TWO-MANUAL PRACTICE ORGAN, one hour weekly.....	2.00
PEDAL ORGAN, one hour daily.....	6.00
VIOLIN, CELLO, FLUTE, room without piano, one hour daily	1.50

SPECIAL FEES

Application fee, \$3.50.

Dues for Associated Students, per semester..... { Men \$6.
 { Women 7.

This charge is made upon all regular students by action of the Associated Students. Recognizing the value of the activities supported by this fee, the College requires its payment and reserves the right to approve the budget for which it is spent.

Graduation fee, \$10.00.

Every student expecting to graduate at the end of any given semester must so indicate on his registration card for that semester, and must include the graduation fee with the payment of all other fees at the time of such registration. Failure to indicate such expectation or thus to pay the graduation fee will automatically exclude from graduation that semester.

BILLS

All College bills are due each semester in advance and must be paid by the student at the time of registration. Payment for room and board on an installment plan may be arranged in conference with the Controller at an extra charge of one dollar for each extra payment. No refunds are made to those leaving before the end of the semester except that in the case of those leaving before the middle of the semester because of illness one-half the tuition and laboratory fees are refunded and in the case of those dropping out for good cause within a week of their registration all but \$25.00 is returned. No refund is made on a room payment unless the room is re-rented to someone not then rooming in a college residence hall.

Students are not given honorable dismissal nor graduated when bills are not paid. Seniors must settle all recognized bills at the Library obligations by four p.m., of the fourth day preceding

mmencement if they are to receive their diplomas with their
ss.

PRIZES

The following prizes are offered for proficiency in the work of
several departments:

ART

THE EUGENE C. CRAMER PRIZES: A first prize of \$15.00 and a
second prize of \$10.00 awarded for excellence in drawing and
design in work presented for the annual exhibition in May.
Given by Mrs. Eugene C. Cramer in memory of her husband,
who was an artist.

ASTRONOMY

THE MONCRIEFF ASTRONOMY PRIZE: A prize given to the stu-
dent in the first year course in Astronomy, taken regularly in
class, whose interest in the study and proficiency in the ob-
servatory work are indicated by the best notebook kept in ac-
cordance with the teacher's suggestion. A prize of ten dollars
is given by Miss Flossie C. Moncrieff, '11.

BIOLOGY

THE VAILE PRIZE: A prize of twenty-five dollars to be awarded
to an outstanding student in Botany or Zoology was endowed
by the late Mr. Charles S. Vaile.

ENGLISH

THE F. S. JENNINGS MEMORIAL PRIZES: Three prizes for men
and three prizes for women of fifty, forty and thirty dollars
each for excellence in English, are available each semester, to
members of the Freshman class taking English A1. In the award
of these prizes attention is given to the interest shown by the
student in improving the quality of his written and spoken
English.

GENERAL

THE RENA GURLEY ARCHIBALD HIGH SCHOLARSHIP PRIZE: A
prize of fifty dollars to be awarded to that member of the
graduating class taking the B.A. course and ranking highest in
scholarship, established by the bequest of the late Reverend
Andrew W. Archibald, D.D.

LATIN

THE MUDGE LATIN PRIZES: Prizes for excellence in Latin.
First and second prizes of ten and five dollars, respectively, are
endowed by friends of the College.

MATHEMATICS

THE LLEWELLYN BIXBY MATHEMATICS PRIZE: A prize for ex-

cellence in Analytic Geometry and Calculus; open to all students completing both Mathematics A1 and B15. A prize of ten dollars is given by Mr. Llewellyn Bixby.

MUSIC

THE BARBARA SANFORD ALLEN PRIZE: An annual competitive prize of fifty dollars to be awarded to a student in the department of music, above freshman rank. This award is made possible by the husband and parents of a graduate of the Class of 1915 of Pomona College.

PHYSIOLOGY

THE LORBEER PRIZES: Prizes for the best essay on the subject, "How to Keep Well"; open to all who take the course in Physiology. First and second prizes of fifteen and ten dollars, respectively, are offered by Dr. Thomas L. Lorbeer, '03.

PUBLIC SPEAKING

THE KINNEY DECLAMATION PRIZES: A prize declamation contest, open to the members of the Freshman class, occurs near the middle of the year. First and second prizes of fifteen and ten dollars, respectively, are endowed by Mrs. H. N. Kinney.

THE DOLE DEBATE PRIZES: A prize debate for Lower Division men is arranged for the close of the second semester. First and second prizes of thirty and twenty dollars, respectively, established by the late Mr. John H. Dole in memory of his brother, Mr. William B. Dole, are endowed by Mr. Arthur M. Dole.

THE KNEELAND ORATORY PRIZES: A prize oratorical contest open to Lower Division men of Pomona College and men of the Southern California Junior Colleges of the Eastern Division is held during the second semester. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

THE KNEELAND DEBATE PRIZES: A prize debate open to Upper Division men is to be held for the first time toward the close of the second semester of 1936-1937. This debate replaces the former Kneeland Upper Division Oratorical Contest. First and second prizes of fifty and twenty-five dollars, respectively, are provided by Dr. Martin Dwellé Kneeland of Claremont.

THE WHEELER PRIZES: The opportunity to compete for a first prize of seventy-five dollars and a second prize of fifty dollars for speeches of their own composition is offered to Upper Division men. The judges have the right to distribute the prize money otherwise than in the sums indicated, or to withhold awards if they feel warranted in so doing. These prizes were endowed by the late S. H. Wheeler.

RELIGION

THE HAGER PRIZES: Prizes for the best essays on a foreign missionary subject, open to all students were endowed by the

te Mr. and Mrs. C. R. Hager. At present first and second prizes of twenty and ten dollars respectively are offered.

DEPARTMENTAL SCHOLARSHIPS

ART

THE HANNAH TEMPEST SCHOLARSHIP FUND OF \$5,000. Income to be divided equally between a man and a woman studying art, in accordance with conditions laid down by the donor, Mrs. Hannah Tempest Jenkins.

MILITARY

Students who have completed the basic course in Military Science and Tactics (or its equivalent) are eligible for enrolment in the advanced course of the Reserve Officers' Training Corps. Students enrolling in the advanced course enter into an agreement to complete the two years' course and to attend a six weeks' summer training camp. In consideration of this agreement, students receive from the government cash allowances equivalent to scholarships of about \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from the camp, are provided by the government.

The number of students admitted to the advanced course is limited to about fifteen per year. Selection of students for enrolment is based upon excellence in military training and suitability for eventual appointment as second lieutenants in the Officers' Reserve Corps. Students who present evidence of above average records in military training in R.O.T.C. units of preparatory schools will be given consideration in the selection of those to whom these scholarships will be awarded.

MUSIC

THE KATE CONDIT BRIMHALL MEMORIAL MUSIC SCHOLARSHIP FUND, \$2,000. Given by the late Mr. and Mrs. A. P. Condit.

PHYSICS

THE RICHARD P. EDMUNDS MEMORIAL FUND provides a scholarship of full tuition for an upper division man student (preferably one who has attended during the first two years) nominated to the Scholarship Committee by the Professor of Physics, at the close of each scholastic year for use the following year.

SPECIAL SCHOLARSHIPS

KAPPA DELTA HONOR SCHOLARSHIP ENDOWMENT OF \$2,337.63 given by members of Kappa Delta Fraternity. The income from this endowment is supplemented by individual pledges to yield a scholarship of \$250, administered under a special committee. Awarded to a man at the beginning of his senior year.

THE FLORA SANBORN PITZER MEMORIAL SCHOLARSHIP. \$500 year from The Sanborn-Pitzer Foundation established by Russell K. Pitzer (Pomona 1900) in memory of his wife (Pomona 1901). Awarded to a student selected by the Foundation.

THE MALCOLM EVERSOLE MEMORIAL FUND provides a scholarship of full tuition for a man in the Junior Class to be nominated to the Scholarship Committee by the President of the College at the end of the nominee's second year in Pomona College. The selection will be based not on scholastic rank only but on the possession of those personal qualities which indicate a high degree of promise in a student of outstanding character.

GENERAL COMPETITIVE SCHOLARSHIPS

All General Scholarships in Pomona College are competitive and are awarded in three groups: (1) to entering Freshman students, (2) to Junior College transfers, and (3) to resident non-matriculated students. The general and respective terms of awards are stated in the following paragraphs.

Except as a donor may have given specific instructions to the contrary it is the practice of the Committee on Scholarships to make awards only to candidates who indicate promise in:

- (1) Literary, scientific or other scholastic ability and attainments.
- (2) Qualities of manhood or womanhood, force of character, and power to lead and to take an interest in college community.
- (3) Physical vigor as shown by interest in outdoor sports or in other ways.

The preferred applicant will excel in all three of the categories listed, but in the absence of such preferred combination the Committee may select an applicant who shows distinction in the first two over an applicant who shows a lower degree of promise and excellence in all. In any case interested participation in activities which sustain physical well-being constitutes an essential qualification, though superior skills and excellence in such matters are not given undue weight.

Before making application to the Committee on Scholarships applicants who are not matriculated students in Pomona College must file application for admission to the College with the Committee on Admissions (fee \$3.50). In the case of freshmen it is ordinarily expected that they will not have attended any other

college or university. Exceptions to this rule require special committee action. Each applicant for a scholarship shall be endorsed by the head of the school from which he comes, and will be required to take competitive examinations. The examinations for freshmen will be held on Saturday, December 3, 1938. The examinations for Junior College transfers will be held on Saturday, December 11, 1939. The Committee on Scholarships reserves the privilege, in case of doubt, to require further, any special evidence, by examination or interview, which it may deem necessary to determine the candidate's fitness.

SCHOLARSHIPS FOR NEW STUDENTS

FRESHMEN

From the General Competitive Scholarships the following are available for candidates for admission to the Freshman Class for the academic year 1939-40, half of the stipend being available for the first semester and half for the second:

Four Scholarships of Five Hundred Dollars each, two for men on the Henry E. Storrs and Julia A. Storrs Foundation, and two for women from the Margaret Burton Harwood Memorial Fund.

Four Scholarships of Three Hundred Dollars each, open to both men and women; two from the Thomas J. Dowling Fund and two from the Margaret Burton Harwood Memorial Fund.

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women: One of these is from the Henry G. Brainerd and Fannie Howard Brainerd Memorial Fund.

In the two following groups, the award becomes available to cover the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory:

Five Scholarships of One Hundred Fifty Dollars each, open to both men and women.

Four Scholarships of One Hundred Fifty Dollars each, two for men and two for women, who are nominated for the same by the California Scholarship Federation.

Applications for above freshmen scholarships, 1939-40, should be made on regular scholarship application blanks and should be submitted with the Committee on Scholarships by November 15, 1938. The examinations are held on Saturday, December 3.

Announcement of awards will be made on or before February 1, 1939.

JUNIOR COLLEGE TRANSFERS

From the General Competitive Scholarships the following are available for candidates from Junior College men or women for the academic year 1939-40, half of the stipend being available for the first semester and half for the second:

One scholarship of Three Hundred Dollars, available to incoming transfers from junior college on the Margaret Burton Harwood Memorial Fund.

Two scholarships of One Hundred Fifty Dollars each, available to incoming transfers from junior college.

In the two following groups, the award becomes available to pay the tuition of the second semester, provided the performance of the candidate during the first semester is entirely satisfactory.

Two scholarships of One Hundred Fifty Dollars each, available to incoming transfers from junior college, who are recommended for the same by Alpha Gamma Sigma.

Five scholarships of One Hundred Fifty Dollars each, available for incoming students of sophomore or junior standing from among the best qualified applicants for admission.

Applications for above advanced standing scholarships should be made on regular scholarship application blanks and should be filed with the Committee on Scholarships on or before March 15. The examinations are held on Saturday, March 11.

Announcement of awards will be made on or before June 15.

SCHOLARSHIPS FOR MATRICULATED STUDENTS

Twenty-one awards of One Hundred Fifty Dollars each are available on a semester basis for matriculated students, men and women, in any class, during the academic year 1938-39. Of these fifteen are from the Olivia Phelps Stokes Scholarship Fund and three are from the Margaret Burton Harwood Memorial Fund. They are not available to entering students. Eleven awards are available for the first semester and ten for the second semester either upon application to the Committee or upon selection by the Committee from the whole number of those eligible. These scholarships are primarily intended to give recognition to outstanding students.

Applications for these Scholarships should reach the Committee on Scholarships before May 15th for the first semester of the following academic year and before January 15th for the second semester of the current academic year.

FELLOWSHIPS

The following awards may be made for 1939-40 if qualified applicants appear. Applications should be in the hands of the Committee on Scholarships by February 1, 1939.

One WILLIAM LINCOLN HONNOLD FOUNDATION fellowship with a stipend varying from eight hundred to fifteen hundred dollars, as determined by the committee of award, according to circumstances; open normally only to students who have done two or three full years of work in Pomona College, who are rated in the upper half of the graduating class, on the basis of their performance during both the junior and senior years, and who wish to continue their studies either in Claremont Colleges or elsewhere in America or abroad.

Should the student selected waive the emolument, the stipend may be paid to the candidate next in rank, while the first student would be designated Honorary Honnold Fellow for the year.

The appointment will be for one year, but satisfactory work and conduct may earn a renewal, so that a really successful candidate may enjoy the fellowship for two or possibly three years, and at the same time a new appointment may be made from the graduating class each successive year.

The prime purpose of the fellowship is to promote original and creative achievement in the candidate's chosen field of activity rather than merely to reward faithful classroom work. The selection will be based not on scholarship only but on the possession of the personal qualities which indicate a high degree of promise in a student of outstanding character. The plans for graduate work are to be made in consultation between the candidate and the Committee on Scholarships, the committee having final authority. At the end of each year of tenure, each Honnold Fellow must make a full report to the Committee on Scholarships covering the character of his work, impressions of the institution in which he has been residing, his plans for the immediate future, and recommendations for the further development or improvement of this fellowship plan.

OTHER AWARDS

The Committee on Scholarships also nominates students of Pomona College who wish to apply for awards by other institu-

tions and foundations. Those who seek nomination to the Rhodes scholarships should advise with the Committee on Scholarships.

GRANTS IN AID

The income of certain funds is supplemented by a budget appropriation to be used in helping to pay the tuition fees of students who are in need of financial assistance. Such aid is given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who are regular in their attendance upon college exercises, and who maintain, after the first semester of the Freshman year, at least "C" grade in their scholastic work.

Aid may be withdrawn at any time from students who prove not to have conformed to the conditions.

The college desires that no student who is doing good work should ever withdraw for purely financial reasons.

Recipients of grants in aid may be asked to render service to the College in exchange.

If a student who has received a grant in aid transfers to another institution before graduation the total sum granted him by Pomona College shall become a loan, repayable according to the terms applicable to regular student loans.

All applications for aid should be made before May 15, 1938 for the first semester and before January 15, 1939 for the second semester of the academic year 1938-39. Address Committee on Student Aid, Sumner Hall.

STUDENT AID FUNDS

GENERAL

THE FRANCIS BANCROFT MEMORIAL FUND, \$1,500. Given by Mrs. James T. Ford of Los Angeles, California, in memory of her father.

THE BARROWS FUND OF \$2,500. Given by L. H. Barrows of Pasadena, California.

THE H. G. BILLINGS MEMORIAL FUND, \$1,000. Given by Mrs. E. A. Billings of Los Angeles, California, in memory of her husband.

THE FLORENCE G. BIXBY FUND, \$5,000. Given by Florence G. Bixby of California.

THE BRISTOL MEMORIAL FUND, \$400. A fund raised as a memorial to the Reverend Sherlock Bristol.

THE BESSIE A. BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of Bessie A. Brown.

THE HENRY HERBERT BROWN MEMORIAL FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of her son.

THE CLASS OF 1918 FUND OF \$961.78. Given by the Class of 1918.

THE CHARLES C. CRAGIN MEMORIAL FUND, \$5,025. Given by Mrs. Laura E. Cragin in memory of her husband, Rev. Charles C. Cragin.

THE AGNES K. CRAWFORD MEMORIAL FUND, \$1,000. Given by David R. Crawford and William Crawford, in memory of their mother.

BELL CLUB OF POMONA STUDENT AID FUND, \$1,000. To help, preferably, a girl.

THE ELWOOD FUND OF \$2,600. Given by Mary E. Elwood of Redlands, California.

THE FORD FUND OF \$2,500. Given by Rev. James T. Ford of Los Angeles, California.

THE FOWLER FUND OF \$1,000. Given by Mrs. Margaret Fowler of Pasadena, California.

THE ORREN A. GORTON FUND OF \$5,000. Established by the will of Orren A. Gorton of Sherburne, New York.

THE EMMA K. GUILD FUND OF \$44,337.14. Given by Emma K. Guild of Claremont, California.

THE MANETTE HAND MEMORIAL FUND OF \$1,500.

THE ALFRED JAMES HARWOOD MEMORIAL FUND, \$8,000. Given by Alfred P. Harwood of San Dimas, in memory of his son.

THE CHARLES E. HARWOOD FUND OF \$5,000. Given by Charles E. Harwood, LL.D., of Upland.

THE THOMAS F. HOWARD "MEMORIAL SCHOLARSHIP FUND," \$3,500. Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.

THE MARY MARVIN JANES FUND OF \$296.93. Given by Mary Marvin Janes of Pasadena, California.

THE HELEN DAY JEWELL FUND, \$1,000.

THE KUNS FUND OF \$2,000. Given by Henry L. Kuns of La Verne.

THE LOOMIS FUND OF \$2,000. Given by Miss Jean Loomis, '97.

THE HOWARD J. MILLS MEMORIAL FUND OF \$3,000. Given by Mrs. Howard J. Mills of Los Angeles, California, in memory of her husband.

THE ONTARIO CONGREGATIONAL CHURCH FUND, \$186.50. Given by the Ontario Congregational Church towards the endowment of a fund.

STUDENT AID FUNDS

THE PAGE FUND OF \$5,000. Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may at some time be used for other purposes.)

THE ARTHUR WARREN PHELPS MEMORIAL FUND, \$2,000. Given by Mrs. C. S. Phelps and Mr. C. A. Phelps, in memory of their son and brother.

THE LYDIA PHELPS MEMORIAL FUND, \$4,000. Given by Hiram E. Phelps of Ontario, California, in memory of his wife.

THE PILGRIM CHURCH OF POMONA FUND, \$1,704.94. Given by the Pilgrim Congregational Church of Pomona.

THE PILGRIM CHURCH WOMEN'S AUXILIARY FUND, \$500. Given by the Women's Auxiliary of the Pilgrim Congregational Church of Pomona.

THE JOHN D. POTTER MEMORIAL FUND, \$2,000. Given by Mrs. S. T. Potter of Westboro, Massachusetts, in memory of her husband.

THE SEARING FUND OF \$1,800. Given by Dr. Anna H. Searing of Escondido, California.

THE WALTER O. SHATTO MEMORIAL FUND, \$4,000. Given by Mrs. Clara R. Shatto in memory of her son.

THE CLYDE H. SHIELDS MEMORIAL FUND, \$1,200. Given by R. P. Shields of San Diego, in memory of his oldest son, who was drowned in 1894, when about twenty-one years of age.

THE SWEET MEMORIAL FUND OF \$2,500. Given by Harlan P. Sweet in memory of his wife, C. Nell Sweet.

THE THATCHER FUND OF \$6,000. Given by Miss Susan E. Thatcher of San Diego.

THE WARDWELL FUND OF \$1,000. Given by Mrs. Maria T. Wardwell of Plymouth, Connecticut.

THE CLARA B. WATERMAN MEMORIAL FUND OF \$5,000. Given by Miss Rosa May Bennett of Los Angeles.

THE WEST FUND OF \$2,000. Given by Henry S. West of Los Angeles.

SPECIAL

"CROMBIE ALLEN SCHOLARSHIP FUND" OF \$1,000, half of the income available annually to a graduate of *Chaffey Union High School* and half to a graduate of *Chaffey Junior College* of Ontario, California.

THE MARTHA E. BERRY MEMORIAL FUND OF \$6,000. Given by Miss Elizabeth E. Berry. For foreign students.

THE MABEL S. BRIDGES MEMORIAL FUND, \$3,500. Given by Mr. and Mrs. A. S. Bridges of San Diego, California, in memory of their daughter. Available for women.

"ALICE PAUL HARWOOD SCHOLARSHIP FUND" of \$5,000. Open to graduates of *Chaffey Union High School* of Ontario.

"STELLA M. KING SCHOLARSHIP AND LOAN FUND FOR WOMEN," \$10,000.

Three grants-in-aid, provided annually by REVEREND M. D. KNEELAND, D.D., of Claremont, of \$200 each, are available for bona fide new candidates for professional Christian service, either in the pastorate or in foreign mission fields—\$150 for the first semester and \$50 for the second.

THE FRANCIS M. PRICE FUND of \$1,000. For children of missionaries.

LOAN FUNDS

The College also administers loan funds established by the bequest of Ellen H. Lyman and by George H. DeKay, Jr., in memory of his brother Frelin Campbell DeKay. By means of these funds, it is possible to co-operate in a moderate way, and temporarily, with the pressing needs of students.

THE RAY LOAN FUND made possible by the gift of \$1,000 by Mrs. E. F. Ray provides a means of meeting situations of temporary need.

THE LUCY B. JENCKS MEMORIAL STUDENT LOAN FUND of \$160, established by the Claremont Chapter of the D.A.R., available for a senior girl to be designated by the Dean of Women.

For more substantial loans over a longer period, the College administers the following funds on an interest bearing basis:

THE CAROLINE PHELPS STOKES FUND, endowed in the sum of \$25,000 by the will of Olivia Eggleston Phelps Stokes in memory of her sister.

THE ETHAN ALLEN CHASE AND AUGUSTA FIELD CHASE MEMORIAL FUND of \$5,000, for men.

All applications for loans should be addressed to the Committee on Student Aid, Sumner Hall.

SELF SUPPORT

The Committee on Student Aid endeavors to find employment for students needing to earn a part of their expenses. Many are thus helping themselves by various forms of labor such as janitor work, waiting on tables, general house work, gardening and the like. The most desirable positions are in general secured by upperclassmen who have proven themselves good workers and good students, and those coming to the College for the first time

should be content if any work which they can satisfactorily do is secured for them. Students in any case should come prepared to pay all bills for at least one semester. Their record during this semester will be a large factor in deciding what opportunities for self-help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid, Sumner Hall.

The National Youth Administration program provided at Pomona College during the year 1937-38 the sum of \$945 per month, which was earned by needy students assigned to socially desirable tasks. Students were permitted to earn an average of \$15 or a maximum of \$20 per month.

ADMISSION

PREPARING FOR COLLEGE

The College welcomes tentative applications from prospective students a year or so in advance and is glad to offer suggestions regarding the best preparation for admission.

Any person interested in preparing for Pomona, or any Principal, Vice-Principal or Counsellor who is responsible for directing the preparatory programs of students is invited to call on the Admissions Office at any time regarding the acceptability of candidates or for advice on specific programs. It is often possible for students to select work in their final high school years that will add greatly to their ability to do college work. The Director of Admissions is glad to cooperate with the preparatory schools in planning satisfactory programs for any individuals, whether or not they are Pomona College applicants.

Anyone interested may have his records evaluated at any time. By having this done early subsequent admission difficulties may be avoided.

For further information, write to Director of Admissions, Sumner Hall, Pomona College, Claremont, California.

GENERAL REQUIREMENTS AND METHODS OF ADMISSION

Inasmuch as the College expends on its educational work twice as much as it receives from tuition fees, thus making an investment of some three or four hundred dollars a year in every student admitted to its halls, the College naturally is justified in rendering this service only to those who are properly qualified to profit thereby both in their own development and in their subsequent service to society.

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments. Any student who falls below grade in scholarship may be asked to withdraw.

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the fullest participation in the college atmosphere and life. It is important, therefore, that all absence through the college year should be avoided. Some of the most important of the college values are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

It is the purpose of Pomona College to do a distinctly high grade of work, thus preparing its graduates for special achievement in whatever later callings they may choose. While Pomona College emphasizes the value of a broad general training as preliminary to the highest achievement in any professional field, it offers such a variety of courses that many students readily find the desired combination which constitutes a definite and adequate preparation for later professional training in a special field such as medicine, law, engineering, scientific research, religious or social service, teaching or other fields. Candidates for admission are expected to present satisfactory evidence of their fitness for college, both in character and in scholarship.

Formal application should be accompanied by a fee of \$3.50.

A medical examination conducted by an authorized physician, under the direction of the College, is required of all students.

An applicant for admission, immediately upon receipt of notification of acceptance, is required to make a deposit of twenty-five dollars. See page 32.

ADMISSION TO FRESHMAN STANDING

Applicants are admitted to freshman standing in accordance with one of the following plans:

- Plan I. Certificate of graduation from an approved secondary school showing either:
- A. Fifteen recommended units accumulated during the 9th, 10th, 11th and 12th grades; or

- B. Twelve recommended units accumulated during the 10th, 11th and 12th grades.

Plan II. Certificate of graduation from an approved secondary school showing either:

- A. Twelve recommended units accumulated during the 9th, 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
 - 1. A personal letter from the proper official of the school from which the candidate graduated, or is graduating; and
 - 2. A satisfactory achievement in specified scholastic aptitude tests; or
- B. Nine recommended units accumulated during the 10th, 11th and 12th grades supplemented by additional evidence of ability to do successful college work including:
 - 1. A personal letter from the proper official of the school from which the candidate graduated, or is graduating; and
 - 2. A satisfactory achievement in specified scholastic aptitude tests.

Note: Certificate of having successfully passed examinations as given by the College Entrance Examination Board will be accepted as the equivalent of secondary school units in subjects covered by such examinations. These examinations are given at stated times and places; information regarding details may be secured from the Director of Admissions.

Plan III. Examination by the College.

ADMISSION TO ADVANCED STANDING

Students who transfer from a Junior College, or from another College or University, and who have sufficient credit therefrom, are admitted to advanced standing on credentials signed by the proper officials. These credentials should give full particulars regarding the nature of the courses taken, the time spent in each, and the student's final grade in the same.

THREE YEAR PROGRAM FOR JUNIOR COLLEGE GRADUATES

Recognizing the increasing demand on the part of many Junior College graduates for an opportunity to continue their education on the basis of a three-year program leading to the

master's degree rather than a two-year program leading only to the Bachelor's degree, Pomona College calls the attention of those interested in such a procedure to the general statement on page 74 and the subsequent departmental exhibits of upper division and graduate studies.

ENTRANCE SUBJECTS

The only specific requirement is at least 3 units of English. In addition to this, applicants will find it advantageous to present the following: at least 2 units of one foreign language; 1 unit each of history, algebra, geometry, and laboratory science; and 3 or more units of electives from the following subjects: English, foreign language, history, mathematics and laboratory science.

For advanced work in most fields, a reading knowledge of at least one modern foreign language is necessary, usually French or German. In some fields, a command of both is desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college. Students who are planning to do advanced work in the Physical Sciences or in Mathematics, will do well to take both Trigonometry and Solid Geometry in high school if possible.

ADMISSION AS SPECIAL STUDENTS

Mature students, particularly those equipped for advanced studies in special departments, may be admitted as special students to courses for which, by ability and preparation, they may be fitted. Special students are not candidates for a degree.

PRE-REGISTRATION AND REGISTRATION

On appointed days, on or before the first Saturday in June, *all student students must fill* out a schedule listing their choice of subjects for the following year.

New students prepare a program of study on announced days at the opening of each semester.

Registration is completed by the payment of tuition and fees on one of the regularly announced days preceding the opening of the class work of each semester.

The fee for late pre-registration or late registration is \$2.00 for the first or second day following the appointed days, and \$1.00 additional for every day thereafter to a maximum of \$10.00.

CHANGES IN REGISTRATION

A student has the privilege of modifying his schedule of studies

by addition or substitution of courses, with the assent of his adviser and the instructor concerned, at any time within two weeks of the beginning of class work for the first semester, one week for the second semester. A student may drop a course, with the consent of his adviser and without penalty, within a month following the beginning of class work. Thereafter, the dropping of a course by a student shall entail for him a grade of FF for the course, except as circumstances may, in the judgment of the instructor and the Classification Committee, warrant a different grade.

The fee for each change of schedule is one dollar (\$1.00). This is waived in the case of new students, registering for the first time.

Students are admitted to those courses only for which they are formally registered.

Students are not received later than two weeks from the beginning of class work.

MATRICULATION

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the standing of all new students is provisional until after they have been in residence for one semester. At that time those are matriculated who have shown themselves in accord with the spirit of the College and who have done a satisfactory quality of work during their semester of residence.

Matriculants must have carried the work of their first semester of residence without incurring any FF grades, and they must, if Freshmen, have earned at least 24 grade points, and if Sophomores or Upperclassmen, at least twice as many grade points as the number of units for which they were registered. Students in any class carrying less than 12 units must have made twice as many grade points as the units for which they were registered.

Students failing to matriculate at the end of the first semester of residence may be matriculated only after they have met all the requirements for two semesters.

Students are not candidates for a degree nor are they eligible for recommendation to college standing in another institution until they have matriculated. All students must be matriculated before attaining to Junior standing.

SUPERVISION OF SCHOLARSHIP

Amount:

The College regulates the amount of work a student may carry as follows:

15 or 16 units of academic work, exclusive of Physical Education (Gymnastics, Sports, Activities*) Military Drill* and Choir,* is the general registration and the maximum for Freshmen.

To register for 17 units, exclusive of work stated in the preceding paragraph, a student must have earned 32 more grade points than the total number of units for which he registered the previous semester; to register for 18 units, 40 more grade points.

To register for less than 12 units of academic work requires special permission.

Quality:

A student is expected to secure each semester twice as many grade points as the total number of units of registration.

At the end of the first month of each semester, and also at or near the middle of each semester, a report is made of all students doing failing or unsatisfactory work for the period preceding the date of the report. In addition to these general reports, instructors may make reports at any time concerning individual students who are not in good scholastic standing. Advisers and deans receive such reports and take such steps as are advisable in each individual case.

At the end of each semester a complete report is made on every student. This report becomes part of the student's record and indicates the semester's standing in the courses for which he has been registered.

Whenever the quality of a student's work declines to such an extent that his graduation in due course seems improbable, he and his parents are so informed, and he is advised to withdraw. Decision in every such case is reached by the joint action of the college Life and Classification Committees in consultation with the student's adviser. The college may at any time require the withdrawal of a student if the quality of his work seems to warrant such action.

The semester hour value of each of these is as follows: Phy. Ed., $\frac{1}{2}$ to $1\frac{1}{2}$; Mil. Drill, $\frac{1}{2}$; Choir, 1.

Withdrawing From a Class:

Students may withdraw from classes only through authorization from the Recorder's Office. This authorization is sent by the office directly to the instructor.

Faculty Dropping Students:

A student who proves unable or unwilling to carry a course satisfactorily may be dropped from it by the College Life Committee upon the recommendation of the instructor at any time later than six weeks from the beginning of the course. The student's class card, with a grade of either FF or W for the course and an annotation reporting the fact of his having been dropped, shall be turned in to the Recorder's Office.

Class Attendance:

Students are expected to maintain regular attendance at all class appointments in the courses for which they are registered. Irregular attendance usually results in low scholastic standing or failure.

While there is no general college requirement, each instructor has the right to establish such specific regulations regarding attendance as may seem best suited to his particular department.

Final Examinations:

Final examinations are required of all students in all subjects, save as exceptions are made by action of the faculty.

The schedule of final examinations is prepared by the Courses of Study Committee. No changes of classes from this schedule may be made without the consent of this Committee. Examinations for individual students may be given at other than scheduled times only by consent of the Classification Committee and on the presentation to the instructor of a Business Office receipt for a fee of two dollars (\$2.00), unless this fee is remitted by the Committee.

A teacher may, at his discretion, appoint a time at which an announced test missed or not passed may be made up. Before such a test can be taken, a receipt from the Business Office for a payment of a fee of one dollar (\$1.00) must be presented to the teacher by the student, unless this fee is remitted by the Classification Committee.

Field Trips:

Field trips are looked upon by the faculty as a legitimate part

of certain courses. Permission for such trips is secured by instructors from the Courses of Study Committee at the opening of each semester. Instructors certify to the Recorder's Office the names of students participating in these trips.

Eligibility:

Students are required to maintain a satisfactory standard of excellence in all their studies in order to represent the College on any of its athletic teams or other organizations coming before the public.

SUPERVISION OF CONDUCT

In the government of the College, the largest liberty consistent with good work and orderly conduct is allowed. Students are expected to show both within and without the College such respect for order, morality, personal honor, and the rights of others as good citizenship demands. Failure to do so will be sufficient cause for removal from the College.

Any student who for any reason, in the judgment of the faculty or of its proper committees, is felt not to be a desirable member of the student body, may be dismissed without specific charges.

The use or possession of alcoholic liquors of any kind whatsoever on the campus is prohibited by the College, and the off-campus use of such may subject the student to the application of the foregoing paragraphs.

The Committee on College Life exercises the authority of the College over all students individually with respect to personal conduct, and over student organizations which bear the name of the College, or which represent the College in any way.

Individual or collective student enterprises which involve the absence of the participants from the College, while using the College name, must receive the official sanction of the Committee on College Life.

AUTOMOBILES

While the College does not prohibit students from having automobiles in Claremont, it does exercise control over their use, and to that end has established the following regulations:

Student drivers must at all times, both on and off the campus, exercise particular care and consideration for the safety of themselves and others.

REQUIREMENTS FOR DEGREE

Student drivers must acquaint themselves with the state and local traffic laws and comply with their observance.

Students driving cars in Claremont are required to carry public liability insurance in the amount of ten and twenty thousand dollars in approved companies. Evidence that the owner of the car holds such an insurance policy extending beyond the end of the college year, together with the license number of the car, must be deposited with the office of the Dean of the College at time of registration or within three days after the car is driven in Claremont.

Failure to comply with the above regulations shall constitute an offense against the College, the penalty for which may include sequestration and storage of the car at the student's risk and expense for a period not beyond the end of the semester in which the offense occurs.

REQUIREMENTS FOR DEGREE

Pomona College awards but one academic degree, that of Bachelor of Arts, which may be attained either in ordinary or in honors. The special procedure in honors study is given on page 56. The following requirements apply to all students.

UNIT REQUIREMENTS

One hundred and twenty-six units (semester-hours) of work are required for graduation. A "unit" consists of one recitation or lecture period, or one laboratory period a week for one semester. A recitation or lecture period covers fifty minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in four years one must take an average of fifteen units of academic work throughout.

GRADE POINT REQUIREMENTS

In order to graduate a student must not only earn a certain number of units, but also attain an average of at least C grade in those units. To this end a certain number of grade points is ascribed to each grade as a basis of determining average grade. The scale is so adjusted that the number of credits required for graduation coincides with double the number of units.

GRADES AND GRADE POINTS

1. Grades and grade points are as follows:

Grade points per unit

A	4	(excellent)
B	3	(very good)
C	2	(average)
D	1	(passing)
F	0	(failure) may be made up to a "D" outside of class
FF	0	(failure) may not be made up except by repeating course
I (Incomplete)		
W (Withdrawn with permission while work was of passing grade or better)		

2. The F grade and the FF grade both indicate a failure. In the case of the F grade the failure incurred may be made up outside of class upon conditions laid down by the teacher, provided these conditions are met on or before the first day after the Spring vacation, if the failure is incurred in the first semester,* or on or before the first day of recitation of the next College year, if the failure was in the second semester. An F grade made up thus may not be raised above a D grade. An F grade not so made up remains permanently upon the records as a failure. A FF grade can be made up only by taking the work over in class. Where the FF or permanent F is incurred in required work, that work must be repeated when next offered. A student may not continue with work in which he has received a FF. The making up of work which has received the F or FF grade does not expunge the grade from the record. It does permit credit and "grade points" for the course.

All F and FF grades reported by teachers are accompanied with a specific statement in writing of the cause for the failure and detailed statement in case of the F grade of the work necessary for its removal. A copy of this statement is mailed to students.

3. The I mark is given where illness on the part of a student justifies the granting to him of additional time for the completion of his work. It may be changed upon the same conditions as those laid down for the making up of the F grade, with this exception, that other than a D grade may be thus earned.* Teachers wishing to give an I grade for other justifiable cause than illness must first receive permission to do so from the Classification Committee.

4. The mark W is used where a student has withdrawn from a course in accordance with provision on p. 52.

*F or I grades incurred during the first semester of year courses, may be removed on the recommendation of the teacher concerned, by the successful completion of the work of the final semester.

MANUAL OF PROCEDURE IN HONORS STUDY

PURPOSE OF HONORS STUDY

A student who shows capacity for more than average intellectual achievement is permitted during junior and senior years to study for the bachelor's degree with honors. Such a student pursues a definite program looking toward the mastery of a major subject and the understanding of one or two minor subjects, particularly in their relations to the major. The elements of the honors program thus form a significant pattern of integrated study in two or three departments of a Division of the curriculum. Honors work affords the student to whom college is primarily an intellectual experience the opportunity for more independent study through a more flexible use of courses. Released from as much of academic routine as his instructors may approve, an honors candidate assumes responsibility for a profounder and broader knowledge of his chosen field than is expected of an ordinary student.

Honors study, begun at Pomona College in 1924, has been since the academic year 1927-28, the only procedure for attaining the degree with honors. Beginning with September 1936 this manual replaces all previous regulations with respect to candidacy for the degree with honors.

REQUIREMENTS FOR CANDIDACY

A student may be admitted to candidacy for honors on the basis of a record which shows promise of competence to do honors work. It is expected of such a candidate (a) that he exercise initiative and self-administration in his work; (b) that he put scholarship consistently first among his interests; and (c) that he maintain a high standard of scholarship in the Division wherein his honors program lies, and a satisfactory record in his other work. He is encouraged to utilize vacations in part for reading and study. Candidacy for the degree with honors may be continued only so long as the candidate maintains a quality of work and an attitude such as will justify his Division in recommending him for the degree with honors at graduation.

ADMINISTRATION

General administration of honors work is vested in the Committee on Honors. Each Division of the Faculty approves the

programs of its candidates, supervises their work, and administers the senior honors examination within the Division. Upon recommendation by the Division, the Committee on Honors may certify to the Recorder candidates for the degree with honors.

REGISTRATION

I. FRESHMAN AND SOPHOMORE ASSOCIATES

A Freshman or Sophomore may associate himself with the honors group of the College by making a declaration of intention upon his registration card, with the approval of his adviser. Freshman and Sophomore Associates are invited to attend occasional group meetings of candidates for honors.

II. REGISTRATION FOR DIVISIONAL HONORS

Normally at the end of Sophomore year and not later than the beginning of Senior year a student may apply for candidacy for the degree with honors. The application form, obtainable from the Recorder, should set forth a program of honors study formulated with the approval of the adviser with whom the student plans to study. The program is subject to acceptance by the Division and Adviser appointed by the Division. The requirements for Divisional Honors are printed elsewhere in the catalogue. Normally the program should include work in one department of major interest and in one or two departments related to the major in the same Division. The student should direct his study toward a mastery of these elements of his program and an understanding of their relations to one another. Evidence of such knowledge is sought in an examination administered by the Division during senior year. Requirements in courses studied outside the Division of honors work are determined by the instructors concerned. Each candidate's program should be filed with the secretary of the Division. Each semester the candidate's registration must be approved (a) by his adviser and (b) by the secretary of the Division. Special programs for honors study in more than one Division must be approved by the Committee on Honors and carried out under an adviser approved by that Committee. The number of curricular hours per semester for which a junior registers may be restricted to twelve; for a senior the number of curricular hours may be restricted to twelve or less.

METHODS OF INSTRUCTION

Methods of instruction vary with different Divisions and departments. Requirements with regard to courses, attendance, course examinations, theses, conferences and seminars are determined by the Division or by departments with consent of the Division.

WITHDRAWAL

A student registered for the degree with honors may withdraw from candidacy on favorable action by the Division concerned, or by the Committee on Honors in the case of a student with a special program. A division itself may withdraw a student from candidacy, and the Committee on Honors may withdraw a student with a special program. In senior year the status of a candidate may be changed only with approval of the Committee on Honors. If, for any reason, a candidate leaves the honors status, the Division concerned certifies to the Committee on Honors the credit to which the student is entitled for work done under its supervision.

EXAMINATIONS

A candidate for the degree with honors takes a written Divisional examination toward the end of senior year. Each Division assembles questions from participating departments to form the various parts of the Divisional examination; it determines, in cooperation with the Committee on Honors, the dates for such examinations and conducts them. The candidate writes on those parts of the Divisional examinations which relate to his program of honors work. In the case of a special program including honors work in more than one Division, the candidate takes such other Divisional examinations as are related to his program of honors work. It is proposed through these examinations to take the measure of each candidate's abilities, and to determine the quality and range of his scholarship as revealed in his grasp of the elements of his honors study and their relations to one another. Copies of the examinations are filed with the Committee on Honors for reference and study in relation to honors work.

An oral examination, in addition to the written Divisional examination, may be required of a senior candidate at the discretion of a Division or a department. Such an oral examination is conducted by at least three examiners chosen by the Division, one of whom is the candidate's adviser. In addition to these

examiners the Division, in cooperation with the Committee on Honors, may appoint an examiner from another institution and the Committee on Honors appoints one of its members to attend the examination. The purpose of the oral examination is to supplement the examinations previously taken. In it the candidate is responsible for the entire scope of his honors study.

A candidate taking courses outside of his honors program is subject to the ordinary requirements with regard to examinations in such courses. From examinations in courses included in his honors program he may be exempted at the discretion of the instructors concerned.

HONORS

At the end of senior year the Division concerned recommends to the Committee on Honors the credit to which the candidate is entitled for his honors works and the particular honor, high honor, or highest honor for which in their judgment he has qualified. A student who does not merit honors, but whose credit warrants graduation, will be recommended for graduation in course. His examination by the Division shall be considered as a substitute for the general examination for Seniors in Course.

GRADUATION

In the case of a candidate who qualifies for the degree with honors, the Committee on Honors certifies to the Recorder the credit and to the Faculty the particular honor to be awarded. Such honor is announced on the Commencement program and recorded upon the graduate's diploma.

DISTINCTION IN COURSE

Every senior, excepting candidates for Honors, is required at the end of senior year to take a general examination based on his entire academic course. The results of this examination together with his grade point average are used by the Committee on Honors for recommendation of a qualified student for graduation with Distinction in Course. Such recognition is announced in the Commencement program and recorded upon the graduate's diploma.

GENERAL REQUIREMENTS FOR GRADUATION

DIVISIONS

The departments of the college are organized in three divisions as follows:

I	II	III
Art	Astronomy	Economics
English	Biology	Education
French	Botany	History
German	Chemistry	Physical Education ²
Greek	Geology	Political Science
Italian	Mathematics	Religion
Latin	Physics	Sociology
Music	Military Science	
Philosophy	Psychology ¹	
Public Address	Zoology	
Spanish		

¹Psychology C107, Educational Psychology; and Psychology D112, Social Psychology, shall count for purposes of distribution in Division III instead of Division II.

²Physical Education A5, Hygiene; C130, Kinesiology; and D131, Physical Deviations, shall count for purposes of distribution in Division II instead of Division III.

DIVISION REQUIREMENTS FOR GRADUATION*

1. 126 units total, including six units of Physical Education Activities, four of which must be taken in the first two years and two in the last two years of the course.
2. 36 units of C and D courses, of which 24 are to be in one division.
3. In the other two divisions there are to be a total of 42 units (A, B, C or D), not less than 12 units in either division.

NOTE: Physical Education Activities and Military Drill are not counted in meeting the division requirements stated above. Applied Art and applied Music units count if they meet regulations governing credits acceptable for graduation.

These General Requirements are designed to protect the student against gross errors in shaping his collegiate program. They inten-

*Prior to graduation, all students are required by the laws of the State of California to pass a course or an examination on the Constitution of the United States. This requirement may be met by Political Science B3b, D113a, D114, History B5a, D119, D125.

Those students who have not completed the Constitution requirement for graduation by course or by examination on or before the opening day of senior year will be required to register for a course meeting the requirement during the first semester of senior year, save as exceptions may be made by action of the Classification Committee

usually leave him a great deal of freedom to shape his course of study according to his interest. In the exercise of this freedom it will be the part of wisdom for him to take advantage of the working organization of the curricular program into sequences of courses, departments and divisions, looking upon these things as aids of which he, as student, may avail himself in the process of securing an education. Courses, etc., are, however, merely aids toward, not substitutes for, reading, reflection and independent study.

CHOICE OF SUBJECTS

In the planning of his work the student in Pomona College is given a large range. The only limitations are designed to insure him, on the one hand, the breadth of view which may be gained by some study of each of the great realms of knowledge; and, on the other, that concentration along a chosen line of work which will develop power of thought and an actual fund of knowledge in some particular field.

In selecting his courses of study and also in determining his outside reading the student should have as his fundamental purpose while in college to become familiar with the principal phases of the intellectual culture of mankind. This involves the following essential features:

1. Acquaintance with great literature.
2. Comprehension of the principal concepts of natural science, both physical and biological.
3. Familiarity with present-day established conceptions of the social order and an intellectual grasp of contemporary social problems.
4. Some philosophical appreciation of the general nature of the universe and an evaluation of human ideals, both moral and religious.

THE FACULTY REGULATION ON ENGLISH

In the evaluation of all academic exercises the quality of English used by the student will be weighed together with the soundness and completeness of his thinking. Before any student is accepted to upper division standing he must satisfy a committee of the College of his ability habitually to use English of good quality. In the recommendation of this Committee, a student whose English is persistently unacceptable may be required to withdraw from the College at the end of any semester by the joint action of the College Life and Classification Committees. Habitual and flagrant misspelling is considered a deficiency in English to which this regulation applies.

Responsibility for raising the level of a student's use of English rests solely with himself, inasmuch as it is not the policy of the College generally to undertake the teaching of basic secondary school subjects. Students who have weakness in expressing themselves in their mother tongue should bear in mind the value of certain important courses offered by the Department of English.

THE LIBERAL ARTS VIEWPOINT

Pomona holds that scholarship should not only be high but also broad and inclusive. It is not a professional school. It insists that the best preparation for life includes not only the ample, generous and complete training of the college course, such as is here given, but also at a later period a thorough and definite professional specialization. The College has been singularly successful in permeating its body of students with these ambitions. A large percentage of its graduates have taken subsequent professional training, many winning scholastic awards in other institutions.

CONCENTRATION IN SPECIAL FIELDS

For the guidance of the student who wishes to work out a program of concentration in a particular field certain principles and methods of procedure have become established:

1. Lower Division Preparation: There must be sufficient Lower Division (A and B) work in the special field and in allied fields to ensure adequate preparation for carrying successfully the Upper Division work aimed at.

2. Upper Division Requirement: Not less than eighteen hours of Upper Division (C and D) work in the field of concentration; six of these eighteen hours must be of D rank, and six of them must be taken during the Senior year.

3. Foreign Language: For advanced work in most fields a reading knowledge of at least one modern foreign language is necessary—usually French or German; in some fields a command of both is most desirable. It is very much to the advantage of the student to acquire this reading knowledge before entering college.

4. Comprehensive Examination: In most fields the student's program of concentration culminates in a final "comprehensive examination" covering the entire field in which his concentration lies.

5. Adviser: That member of the faculty in whose field a student is working intensively becomes the student's official adviser during his Junior and Senior years. It will be well for the student to consult his prospective adviser even earlier in his course.

The application of these ideas involves to such a degree a recognition of differences between fields of learning and between the individualities of students that no summary statement of them should be thought of as complete. The attention of those interested in special fields is therefore directed to the more extended presentations of work in various fields together with certain pre-professional courses which are found on the following pages.

Most of the statements made in connection with concentration should be read as suggestions rather than as rigid regulations; the degree of emphasis attached to each such suggestion will be determined for the student by his adviser.

HONORS STUDY IN THE DIVISION OF HUMANITIES (DIVISION I).

Honors study in the Division of Humanities is designed to encourage, first, a broad cultural acquaintance with the principal lines of historical development and a selected list of outstanding masterpieces in the fields of learning represented in the division and, second, a thorough knowledge of some field of concentration. A comprehensive examination at the end of the candidate's senior year will survey his success in attaining a divisional breadth of culture and his mastery of the field of his major interest.

Honors work is concerned primarily with a type and a standard of achievement. Accordingly, the Division prescribes no particular method by which the desired end shall be attained but expects an exercise of individual initiative on the part of the candidate in carrying out his program of study. Candidates are encouraged to allocate to honors study the three academic hours each semester allowed under the general rules for honors work in the college. This time may be devoted to a reading program, to a specified problem of investigation, or to original work in a chosen field of creative activity; but all work must be undertaken with the approval of the Division and under the direction of an honors adviser. Ordinarily, two-thirds of the comprehensive examination will be devoted to the field of concentration, and for one-half of this section of the examination—a third of the entire honors examination—there may be substituted a research paper or a demonstration of original achievement in the field of language, literature, art, or music.

A student who wishes to engage in honors study should select, preferably at the close of his sophomore year and in no case later than the beginning of his senior year, a faculty adviser, and, with his approval, submit to the Division of Humanities a coherent plan of study for the remainder of his college course.

SUGGESTED PROGRAMS

FINE ARTS

(DEPARTMENTS OF ART AND MUSIC)

Courses in the history, appreciation, and theory of art and music are offered by the College as contributions to personal culture, and receive credit toward the Bachelor of Arts degree on the same basis as other academic courses. In the fields of applied music and art technical proficiency is aimed at, with the idea, first, of developing an appreciative taste, and second, of stimulating creative ideas worthy of expression.

APPLIED ART: Students wishing to concentrate in Art as their major subject for the B.A. degree may elect courses in Drawing and Painting, Sculpture and pre-Architecture. A theoretical knowledge of all these fields is desirable and practical work should be taken in two of them. A sense of design and an appreciation of and ability to render form must be exhibited in the basic courses as the foundation for further specialization.

The student will be expected to present his work in the Department Exhibition at the end of each year. In the fourth year the student concentrating in Art will give a separate exhibition of his work of that year.

MUSIC: Either theoretical or applied music may be elected as a subject of concentration for the Bachelor of Arts degree.

Although the Special Credential in Music from the State Board of Education is no longer granted through Pomona College, thorough preparation for teaching music in the public schools may be obtained in the college. The courses in Public School Methods are given in Claremont Colleges (the graduate school.) Students concentrating in music toward the Bachelor of Arts degree, or looking forward toward teaching music in the public schools should elect the beginning harmony and sight singing courses in the first year in order to be able to complete all required courses.

Each candidate concentrating in music, whether the applied or theoretical branches, must present a satisfactory public recital in his major subject.

APPLIED MUSIC: Students in applied music will be enrolled for credit toward the Bachelor of Arts degree upon the written recommendation of the Head of the Department of Music. This recommendation is based upon the degree of ability and advancement shown in proficiency tests given before examining committees of the music faculty. To receive credit applied music must be accompanied or preceded by first year harmony, Music A1. This course entitles a student to register for credit in applied music for one or two lessons per week for the first year and one lesson per week for the remaining three years. If credit is desired for *two* lessons per week for a second year or more, the work must be accompanied or preceded by second year harmony, Music B5. Proficiency tests are required only of students in applied music who desire credit toward the Bachelor of Arts degree.

ENGLISH

(DEPARTMENTS OF ENGLISH AND PUBLIC ADDRESS)

1. The English group functions in three different ways:
 1. To persons desirous of proficiency in our mother tongue whether for the sake of apprehending the ideas of others or for the sake of expressing their own, it affords training in reading, writing and speaking.
 2. To persons seeking the mental and spiritual culture attendant on the processes of literary appreciation it offers a generous variety of courses.
 3. To persons who wish to make English in any of its phases the dominant feature of their collegiate programs it provides opportunity for concentration during the junior and senior years.
 2. To the end that proper organization and direction may be achieved and a desirable breadth at the same time maintained in the programs of students concentrating in English the following objectives are recommended for their guidance:
 1. Effective command of the English language, in reading, in writing and in speech.
 2. Extended and intensive experience in literary appreciation; interpretation and criticism; original creation.
 3. Intelligent acquaintance with the great books of the world. Reading Lists I and II offer guidance supplementary to that afforded by organized courses.
 4. A general knowledge of English and American social culture in its historical development.
 5. Some understanding of the more significant movements in the field of philosophy, especially as they bear on literature and art.
 6. A mastery, the more complete the better, of at least one language other than English. Besides the added understanding of general linguistic problems achieved through such mastery, the intimate contact with a foreign culture entailed in a study of its language has a value attainable in no other way.
- Students who have in mind to go on to advanced graduate work in English should recognize from the beginning that the best university standards will demand a thorough grounding in Latin—not less than the full high school course—and a reading knowledge of both French and German.
- NOTE: Personal interests of the student — as Music, Art, phases of Social Science, or of Physical and Biological Science—may very properly be accorded such recognition in his program as to entail a sacrifice—at least in part—of one or more of the “objectives” listed.
- The minimum formal requirement for concentration in English is 24 hours of satisfactory work in the Upper Division: two C courses and two D courses.

FOREIGN LANGUAGES AND LITERATURES

(FRENCH, GERMAN, GREEK, ITALIAN, LATIN AND SPANISH)

CONCENTRATION IN THE FIELD

A student interested in the synthetic study of the complete field of foreign letters may, under an adviser appointed by the group, pursue work in the various departments of the group, thereby concentrating in the field. Such a student should hold non-credit bearing conferences from time to time with the faculty of the group, looking toward a comprehensive examination in the general field of foreign languages and literatures.

CONCENTRATION IN DEPARTMENTS

A student planning to concentrate upon any one of the foreign languages should have begun his study of that language before entering college. Preparatory work in some other language is also a distinct advantage.

Although the student is normally expected to concentrate in only one of the departments of Foreign Languages, he should acquire as broad an acquaintance as possible in all the other fields of literature represented in the group.

Eighteen to twenty-four hours of C and D work are required in the department concerned, in which at least a B average must be maintained. For a student desirous of doing more specialized work than is possible under the regularly scheduled offerings, the Honors plan presents additional opportunity. At the end of the Senior year a comprehensive examination will be required.

LATIN AND GREEK

Concentration in the Classical Languages is designed to give the student a technical knowledge of the language and literature of his special interest and an appreciation of the life and institutions intimately connected with that literature.

The student of Latin is expected also to have an acquaintance with the Greek language and literature. It is not essential however in the lower division courses of Latin.

ROMANCE LANGUAGES AND LITERATURES

A student expecting to concentrate within the field of Romance Languages and Literatures should be fortified with a preliminary knowledge of Latin, and will find it much to his advantage to have begun the study of French or Spanish, or both, before entering college.

Concentration in a Romance Language and Literature is designed to provide: first, a broad general knowledge of both the language and literature of the student's special interest; and second, a considerable knowledge, represented by not less than two years of college work in at least one other language of the Romance field.

A student who is well equipped in foreign language on entering college, is urged to take work in all three of the Romance Languages.

GERMAN

Concentration in German is designed to give the student a knowledge of the language and of the German civilization as represented by the best works of literature.

BIOLOGICAL SCIENCES

(DEPARTMENTS OF BIOLOGY, BOTANY AND ZOOLOGY)

OPPORTUNITIES

The location of Pomona College, close to mountain, desert, coastal plain and sea, makes it especially suited to studies of systematic and ecological nature. This assures also an adequate and diversified supply of materials for class and laboratory and for special problems of a morphological or physiological nature. The College, furthermore, possesses a number of special biological collections, notably of plants and insects. The Marine Laboratory at the College at Laguna Beach is an adjunct valuable during the summer session and of use on occasion throughout the year.

CONCENTRATION IN THE DIVISION

A student emphasizing biological science is ordinarily expected to have Biology A1, and Biology B2, followed by an integrated program in either Botany or Zoology or both. A reading knowledge of German and French and a training in the physical sciences are also expected according to the needs of the individual.

COURSES PREPARATORY TO:

(1). Graduate work, looking towards investigation or higher education. Broad foundations in the biological and physical sciences, with liberal selections of advanced courses in the field of concentration, are essential for those who anticipate professional work in biological science.

(2). Teaching in secondary schools. Teachers of biological subjects and general science need basic courses in as many branches of science as possible. The following are also important: Field Botany, Plant Physiology and Taxonomy, Physiology, Entomology, Genetics and Bionomics.

(3). Museum work, conservation, nature guide work, field biology. In addition to the basic courses are recommended: Plant Taxonomy, Functional Zoology, Entomology, Special Problems, Zoology.

(4). Horticulture, agronomy, landscape art, forestry. For the first two: Plant Physiology, Bacteriology, Entomology, Genetics, Considerable Chemistry, Elementary Physics, Structural Geology. For landscape art: Plant Taxonomy, Freehand and Mechanical Drawing, Surveying, Chemistry, Geology, and Economics. For forestry: Plant Taxonomy, Entomology, Surveying, Plant Physiology.

(5). Medicine, nursing, laboratory technique, public health, and sanitation. Pre-medical requirements are discussed elsewhere. Inasmuch as medicine is highly biological, a liberal election of Embryology, Histology, Neurology, Functional Zoology is recommended. Work in Entomology, Bacteriology and General Botany is recommended in addition to the above for Public Health.

SUGGESTED PROGRAMS

PHYSICAL SCIENCES

(DEPARTMENTS OF ASTRONOMY, CHEMISTRY, GEOLOGY,
MATHEMATICS AND PHYSICS)

The group of Physical Sciences renders through its freshman and sophomore courses two quite distinct types of educational service:

1. For persons who are not intimately concerned with science or scientific pursuits it offers a general introduction through survey courses to modern scientific method, to the philosophic aspects of science, and to the place of the sciences in the general scheme of human affairs, along with the theoretical and descriptive presentation of the subject-matter. Conspicuous among such courses are: Mathematics A1, Physics A1, Chemistry A1, Astronomy B1 and Geology B1.

2. For those who incline toward more emphasis on the physical sciences during their collegiate years, whether for purposes of teaching, or with a view to engaging in commercial enterprise requiring knowledge of physical science, or because of an interest in scientific study for its own sake, the group offers excellent opportunities for concentration.

PREREQUISITES for undertaking concentration in Physical Science:

1. Physics and Chemistry: Fundamental in importance is such an understanding of the constitution and value of matter and energy as is ordinarily gained through basic courses in Physics and Chemistry.

2. Mathematics: A practical knowledge of the tools of scientific reasoning acquired in Mathematics is essential. This will mean mathematics courses at least through calculus. It is urged that those planning such work in college complete trigonometry in high school.

3. Foreign Languages: It is highly desirable that the student purposing to concentrate in the Physical Sciences shall acquire reading knowledge of both French and German.

CONCENTRATION: Each one of the departments in the group has its own sequence of courses for the student concentrating in that section of the general field; but it also requires supplementary work in related departments. In addition, there are opportunities for concentration in fields that cross departmental lines. The combinations and implications are too markedly individual, however, to permit of a satisfactory general statement; they must be worked out between the student and his adviser.

SOCIAL SCIENCES

(DEPARTMENTS OF ECONOMICS, EDUCATION, HISTORY,
POLITICAL SCIENCE AND LAW, RELIGION AND SOCIOLOGY)

CONCENTRATION IN THE FIELD:¹ Although emphasis in the program of a student concentrating in the field is placed on an integrated sequence of studies in one of the social sciences, it is expected that the student will obtain a broad understanding of the content and meaning of the social sciences as a whole. With this in view he will include early in his course at least three of the four basic courses² in the group. He will maintain a "B" average in the social studies, will complete 24 units in "C" and "D" courses in the field of which at least 12 must be "D," and will include courses D251 and D252 in the social science of his more intensive study.

FOREIGN LANGUAGE: It is recommended that every student concentrating in the Social Sciences acquire a reading knowledge of French and German. Normally by the beginning of the Junior year and not later than the middle of his Senior year, the student is required to file with his Adviser a written certificate of his ability to read French or German, issued by a member of the faculty in the field who has been designated to examine in those languages.

COMPREHENSIVE EXAMINATION: The work of a candidate concentrating in social sciences culminates in a written comprehensive examination, administered by the Social Science faculty. This examination consists of two parts: (1) a general examination to reveal the candidate's grasp of the broader aspects of the several social sciences and their interrelations, and (2) one or more specialized examinations to test his mastery of the particular social science in which the candidate has studied intensively. Inasmuch as the purpose of the comprehensive examination is to appraise the candidate's integration of the entire range of social studies included in the undergraduate program, the passing of both parts of this examination will exempt the student from final examinations in social science courses at the end of his Senior year.

The following courses offered by the Department of Education are considered to be part of the work of the Social Sciences:

Introduction to Education; History of Education.

SUPPLEMENTARY COURSES: In addition, the courses listed below, and other approved courses, may form a part of a student's program of concentration in the Social Sciences:

Philosophy of the State; History of Philosophy; Social Psychology.

The attention of social science students is called to certain courses available to them, offered by affiliated colleges in Claremont.

¹ departmental concentration, or major, is offered in any social science.
² Economics B11, History A1, Political Science A1, Religion A1 or C103, Sociology B21.

SUGGESTED PROGRAMS

GENERAL PREPARATION FOR PROFESSIONAL SCHOOLS

The courses offered in Pomona College cover a broad range of the humanities and the sciences. In general, schools of business administration, journalism and law do not require a particular pattern of undergraduate work. On the other hand they are particularly interested in students who have had a broad liberal arts training and have learned how to study effectively, as evidenced by the quality of their undergraduate work.

Various combinations of fundamental courses are presented below as adequately preparing for later professional studies in engineering, medicine or education, where more specific prerequisites exist.

A SUGGESTED PRE-ENGINEERING COURSE

In the belief that the training of a liberal arts college, so essential to men in other professions, is essential to the engineer, Pomona has developed a series of courses to enable its graduates to enter the upper division work of engineering schools and to graduate therefrom in two years. Men during the first two years will take the same course regardless of the field of engineering contemplated.

FRESHMAN YEAR

Chemistry B3 or A1 and B2.....	6 or
Mathematics A1	6
Mathematics A7 (Engineering Drawing).....	4
Foreign Language	6
Elective	10 or

SOPHOMORE YEAR

Economics B11	6
Mathematics B15	6
Mathematics B9 (Engineering Drawing).....	4
Physics B2 and B4.....	8
Elective	6

Pre-engineering students are advised to take in their Junior and Senior years as many as possible of the following courses.

JUNIOR AND SENIOR YEARS

Mathematics D120	3 or
Astronomy or Geology	6
Economics	6
Physics C111 and D109.....	10
Mathematics D121	6
Physics D220	6
Physics D113 Analytic Mechanics.....	6

In addition the six weeks' summer course in surveying at Bl Lake should be taken.

A SUGGESTED PRE-MEDICAL COURSE

Certain subjects have been designated by the Council on Medical Education of the American Medical Association as minimum requirements for entrance to Class A medical colleges. Many of the leading medical schools, however, have requirements well beyond this minimum, and from many more applicants than can be accepted, selecting only those who are best prepared and have demonstrated the highest scholastic ability and laudable personal traits. Pre-medical students are advised not to attempt to crowd the minimum requirements into two years of college work, but to build, in a leisurely fashion, a broad educational foundation. Breadth of view, culture, and a thorough grounding in the biological and physico-chemical sciences are the objectives of the premedical course.

Below is outlined a curriculum which meets the requirements for graduation from Pomona College and the entrance requirements of most of the medical colleges in the United States. It can readily be modified, as regards both science and non-science courses, to meet the specific requirements of any medical school which the student may plan to attend.

FRESHMAN YEAR		JUNIOR YEAR	
	Units		Units
English A1	8	Biology B2a	4
Biology A1	6	Zoology C117	4
Mathematics A1	6	Chemistry B7	3
German A1	6	Chemistry C103	6
Elective, Div. I or III.....	4	Chemistry C105	2
SENIOR YEAR		Psychology B1	3
Biology C115	4	Electives, Div. I or III.....	9 or 8
Remainder all electives.			
SOPHOMORE YEAR		The Chemistry courses may be spread to three years if preferred. See note, Chemistry Courses of Instruction.	
Chemistry B3 and B5.....	10		
Physics B2 and B4.....	8		
German B3	6		
Electives, Div. I and/or III	6		

A reading knowledge of both German and French is highly desirable. High School work in these languages and in Latin is recommended for those planning the medical course, and the program suggested above may be modified in accordance with pre-college preparation in these subjects.

In recently published information about subjects which medical schools do not include in the stated requirements, but which are to be recommended to pre-medical students, there is much diversity on many points, but practical unanimity on the desirability of these six subjects:

More than one year of English and public address; mathematics, at least through trigonometry; both French and German; economics, sociology and philosophy; both comparative anatomy and embryology; physical chemistry.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS

The courses in Education in Pomona College are designed to supply the general background that an intelligent citizen should have regarding one of the most important of our social institutions and at the same time prepare the prospective teacher for the more technical training in the graduate school.

CERTIFICATES: In California every teacher must have a certificate. The certificate is issued by the county in which the teacher is employed upon the presentation to the county board of education of a credential issued by the State Board of Education through the Commission on Credentials. Requirements vary for different certificates. The Commission issues the credential to the candidate upon recommendation by the candidate's college and the statement that all of the state requirements for the certificate in question have been met. Those who contemplate entering the teaching profession should apply to the State Board of Education at Sacramento for bulletins or should consult the Director of Studies of Claremont Colleges.

A SUGGESTED PROGRAM for the prospective teacher:

FRESHMAN YEAR: Academic courses preparatory to the credential in view.

SOPHOMORE YEAR: Education B3; Psychology B1; further work in the subject-matter to be taught.

JUNIOR YEAR: Education C104; Psychology C107; further work in the subject-matter to be taught, or in related fields.

SENIOR YEAR: Education D215. A rounding out of the subject-matter to be taught.

A SUGGESTED COURSE FOR PROSPECTIVE TEACHERS OF PHYSICAL EDUCATION

FRESHMAN YEAR		SOPHOMORE YEAR	
	Units		Units
English A1	8	Zoology B3	6
Chemistry B3	8	Sociology B21	6
Geology A1	6	Psychology B1	3
Hygiene A5	2	Music B3	6
Electives	8 or 9	Electives	9 or 10
JUNIOR YEAR		SENIOR YEAR	
Public Address B32	4	Physical Education C130....	3
Psychology C107	3	Education D215	3
Geology C105	3	Physical Education D133....	3
Physical Education C126....	2	Physical Education D131....	3
Physical Education C127, ...	4	Chemistry C114	4
C128	4	Psychology C104	3
Physical Education C119	2	Electives	12
(for women)	3		
Education B3	8 or 9		
Electives	8 or 9		
6 units of required Physical Education Activities.			

It is suggested that the required Physical Education activities be so selected as to give the individual opportunity for both technical skills and leadership training in a wide range of activities.

A non-credit Camp Counselor's Training Course is held at Halona, the U.S. cabin at Idyllwild, for a two-week period immediately following Commencement. This course aims to provide its members with experience useful in camping and other types of leadership, such as teaching and community organization.

This program followed by a year of graduate work in Claremont Colleges will qualify the student for the general credential with a major in physical education.

A reading knowledge of French and German is highly desirable for any students who plan to go on to graduate research in Physical Education.

COURSES OF INSTRUCTION

DESIGNATION OF COURSES

The letter preceding the number in the designation of a course indicates in general its grade. Elementary courses, designated A (as English A1) are given in Freshman or Sophomore year; B courses are either those which follow the A course of earlier year or the more advanced beginning courses; C and D Courses are advanced courses given to Juniors and Seniors, D courses being the more difficult. The natural sequence of courses is from A to B, B to C, and C to D, and a student may not enter a C or D course without previous work in the same line.

Courses with numbers below 100 are underclass courses; those numbered from 100 to 199 are for Juniors and Seniors; those numbered over 200 are not open to students of less than Senior standing.

Any course may be withdrawn if the enrollment is less than five.

In departments where one-unit courses are offered, two such courses should be completed to secure the counting of units and grade-points toward graduation.

When courses in different semesters have the same general number and are connected by a hyphen thus, B1a-B1b, they cover a common subject and the entire sequence should be taken. If, however, they are connected by a comma, thus, B1a, B1b, although the course extends throughout the year, independent credit is given for the work of the first semester and the first course may be followed by some allied subject instead of the next course in the sequence. Entrance to the second semester course is by permission of the instructor.

All courses are three units each unless otherwise designated.

Roman numerals show the periods of recitations. Two courses with the same Roman numerals cannot be taken contemporaneously unless the numerals are preceded by different letters (as *M* or *W*) showing that the classes meet on different days of the group.

	8:00	9:00	10:00	11:00	1:15	2:15	3:00
<i>MWF</i>	I	III	V	VII	IX	XI	XIII
<i>TThS</i>	II	IV	VI	[Th-Assembly X XII XIV T-Chapel Except Saturday			

Hours to be arranged—A.

If a letter precedes the numeral, the class meets only on the day of the group.

THREE YEAR PROGRAM OF UPPER DIVISION AND GRADUATE WORK

To enable Junior College graduates and others who enter with advanced standing to continue their education on the basis of a three-year program leading to the Master's degree as well as to the Bachelor's degree, Pomona College and Claremont Colleges have planned their offerings so that the closest articulation of under-graduate and graduate study is possible. Graduate work in the literatures, in the social sciences, in the biological and physical sciences, in philosophy, psychology, religion, and in the fine arts and music, along with professional work in public school education and in psychology is conducted by Claremont Colleges using the combined staffs of Scripps College and Pomona College as well as its own appointees. This work is usually characterized by an informal mode of instruction possible only in an institution of this type where the standards are high and the number of students is limited. A catalog of graduate seminars will be furnished upon request to the Director of Studies, Claremont Colleges, Claremont, California.

COURSES IN SCRIPPS COLLEGE

In addition to the courses listed below there will be announced at time of registration certain courses in Scripps College open for Pomona students under approved conditions. Each regular student in residence in Pomona College shall, however, select not less than half of his registration each academic year from courses in Pomona College.

ANTHROPOLOGY

100a-C100b. Man and Culture: Their Origins, Nature

Development and Interrelations.

MR. OPLER

An introductory course in anthropology covering the following subject headings: The history of anthropology and its methods, the physical emergence of man, the biological differentiation of man (race, race differences, racial dispersions), primitive linguistics and the psychology of language, the growth of technology and material culture, and the development of legal, political and religious institutions. *VII.*

ART

For each unit of credit in Art, except in C111, there is required minimum of one hour of assigned reading and two hours of studio work per week. Students are urged to prolong these periods when their work permits, as they will then make more rapid progress.

Special fees for work in applied art are as follows: A9, B25, C107, D112, \$12.50 per unit. All other courses \$5 per unit.

A3a-A3b. Design and Drawing.

MR. BEGG

The study of order in the graphic arts. The appreciation of form and its expression in pencil, charcoal and color. 2 units. *WF, 1:15 to 3:05.*

A9a-A9b. Modeling.

MR. JURECK

A general foundation in Sculpture, comprising a study of antique models from casts and work from nature forms. 2 units. Two sections. *TTh, 1:15 to 3:05. WF, 3:15 to 5:05.*

B3a, B3b. Composition.

MR. BEGG

Pictorial Design in various media requiring a sketch each week on an assigned subject of an illustrative or decorative nature. To be taken in conjunction with another applied art course; may be repeated for credit. 1 unit. *W, XII.*

B11a-B11b. Advanced Drawing and Design.

MR. BEGG

The rendering of form, particularly the head, in charcoal, lithograph crayon and water color. This may be related in the second semester to industrial, commercial or fine art problems according to individual preference. 2 units. *TTh, 1:15 to 3:05.*

B25a-B25b. Advanced Modeling.

MR. JURECK

Problems in applied ornament. Portrait study from cast and living model. Studio methods; casting and armatures. 2 units. *TTh, 3:15 to 5:05.*

C102a-C102b. Life Drawing.

MR. BEGG

Anatomical function and the construction of the human form. Prerequisite B11a-b or equivalent. 2 units. *TTh, 3:15 to 5:05.*

C107a-C107b. Life Modeling.

MR. JURECK

Modeling from life. Figure, portrait in the relief and in the round. Laboratory and related work. 2 units. *WF, 1:15 to 3:05.*

C111a-C111b. History of Art.

MR. BEGGS, MR. ROBBIN

and MR. BAUMANN

Study of the historical development of art with especial attention to national genius and expression. The Classic, Early Christian, Byzantine and Medieval Periods will be studied in the first semester, and Renaissance, Baroque, Neo-Classic, Romantic, Realistic and Contemporary Art in the second. *III.*

C120a-C120b. Painting.

MR. BEGG

Practice in Still-life and Landscape is adapted to a study of the techniques of various historic schools of oil painting. These are explained by means of a system of set palettes which afford an understanding of painting principles and an opportunity for the development of individuality of manner. 2 units. *A.*

D105a-D105b. Advanced Painting.

MR. BEGG

Attention is given to the completion of easel pictures including the portrait and the decorative composition. A large finished canvas is required in the second semester. 2 units. *Class I, XIII; laboratory, A.*

- D112a-D112b. Advanced Life Modeling. MR. JURECKA
Advanced composition in both relief and the round. Development of original conceptions. Study of color effects in sculpture. Laboratory and related work. 2 units. *WF 1:15 to 3:05 or A.*

GRADUATE WORK in the history of art and architecture and in applied art is available under the auspices of Claremont Colleges.

ASTRONOMY

- B1a-B1b. An Introduction to Astronomy. MR. WHITNEY

Presents the general facts of historical and modern astronomy in non-technical form suited to students with a minimum of science preparation. An acquaintance with the starry heavens is sought and an appreciation of man's relation to the surrounding universe. Regular evenings with the telescopes at the Brackett Observatory are supplemented by group projects and field excursions. Classroom two hours per week; observatory, etc., one period per week. Laboratory fee \$3.00 per semester. *VII.*

Note: Students in upper division courses in the department participate in certain regular observing programs, full expression being given to individual aptitudes and preferences. These observations deal principally with the varying activities of the sun, certain phases being periodically reported to the Observatory of Paris on an international schedule, in which the Brackett Observatory is a cooperating member. Prerequisites for upper division courses in the department are Astronomy B1 or its equivalent or a satisfactory preparation in physical science.

- C101-C102. General Astronomy. MR. WHITNEY

A course in the fundamentals of modern astronomy designed either for students planning advanced work in this field or those having a working knowledge of geometry, trigonometry, and the essential principles of physical science. A regular evening observatory schedule is maintained supplemented by other laboratory activities. Classroom two hours per week; observatory, etc., one period per week. Laboratory fee \$3.00 per semester. *A. (Offered in alternate years. Not given in 1938-1939).*

- C103a-C103b. Practical Astronomy and

Navigation.

MR. WHITNEY

Deals with practical problems in astronomy and the compilation and reduction of the data obtained. Observations with the telescope, transit, and sextant are also applied to the determination of time, latitude, and longitude in a study of the theory and practice of marine and aerial navigation. Classroom one unit; observatory two units. Laboratory fee \$3.00 per semester. *T, XII.*

- D105. Celestial Mechanics.

MR. WHITNEY

A short course in the application of the laws of mechanics and gravitation to the motions of the heavenly bodies with problems on the prediction of eclipses and occultations and on the computation of the orbits of comets, etc. Three units. First semester. *A.*

D106. Astrophysics.**MR. WHITNEY**

Considers the applications of the principles of modern physics and chemistry to a study of stellar and cosmic problems and the reciprocal contributions of astronomical research to the physical sciences. Laboratory observations are both visual and photographic. Classroom one unit; observatory two units. Laboratory fee, \$3.00 per semester. Second semester. *A*.

D230. Investigations in Astronomy.**MR. WHITNEY**

A unified program of investigation in some particular field such as variable stars, double stars, solar radiation, meteor observations, etc., is arranged. Each semester one to four units. May be repeated for credit. Laboratory fee, \$2.00 per unit per semester. *A*.

GRADUATE WORK in Astrophysics and Celestial Mechanics is available under the auspices of Claremont Colleges.

BIOLOGY**A1a-A1b. General Biology.****MR. HILTON, MISS YOUNGBERG
and ASSISTANTS**

A general course either for those who intend to take further work in biology or for those who wish but one year. It may be taken for credit by those who have high school biology, botany, or zoology. It will consider material, methods, and fundamental principles in the whole field of biology by means of class, demonstration, laboratory, and field work. By means of the project method it will be fitted to the preparations, needs, and interests of individuals or groups. Class *M* and *W*, or *F*, *VII*; laboratory field trip, or demonstration *M,T,W,Th* or *F*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

B2a, B2b. Advanced Biology.**MR. HILTON and
MISS YOUNGBERG**

General Zoology first semester. General Botany second semester. A general survey of the animal and plant kingdoms, dealing with classification, structure and life-processes of both groups. Prerequisite: Biology A1 or its equivalent. Ordinarily this course is prerequisite for advanced work in the division 4 units. Class, *TTh, II*; laboratory, *TTh*, 1:15-4:10. Laboratory fee \$8.00 each semester.

C105. Bacteriology.**MISS CLAYTON**

General study of important bacteria, methods of culture and study, and importance in disease and agriculture. Prerequisite one year of biological work. First semester. Class, *S, II* laboratory, *MW*, 1:15-4:10. Laboratory fee, \$8.00. Breakage deposit, \$5.00. (*Omitted in 1938-1939*).

D107. Genetics.

MISS CLAYTON

A non-laboratory course covering modern developments in the study of heredity and evolution and their general application to plant and animal breeding and to eugenics and race questions. Class work will be accompanied by demonstrations, problems and discussions. Prerequisite: one year of biological work. First semester, *VII*. Fee, \$3.00.

D108. Bionomics.

MR. HILTON

A course in the history of biological progress, including modern problems in evolution, heredity and eugenics. It is open to those who have had a year of biological work. May be taken with Zoology D131 for three hours. Second semester. 2 units. *MW, I*.

The scientific collections and library available at Claremont, as well as the geographic location, make desirable certain types of work for the master's degree, particularly in Entomology, Neurology, certain phases of marine and desert Ecology, Anatomy, Plant Morphology, Algae, and Plant Taxonomy.

BOTANY

D134. Field Botany.

MISS YOUNGBERG

An elementary non-technical course in local flora, with much field work. No prerequisite. Second semester. 2 units. Class, *S, II*; laboratory, *F, 1:15-4:10*. Laboratory fee, \$3.00.

D123. Plant Physiology.

MISS YOUNGBERG

A study of physics and chemistry of plant-life, discussing the nutrition, life-processes, absorption, conduction, transpiration, photosynthesis, respiration, growth, etc. Important for those students contemplating horticultural work, teaching of biology, and for botany majors. Prerequisite: Biology B2b. Second semester. Class, *WF, I*; laboratory, *W, 1:15-4:10*. Laboratory fee, \$8.00. Breakage deposit, \$5.00.

D125a, D125b. Taxonomy.

MR. MUNZ

Study of our local flora and more common cultivated ornamentals. Principles and methods of classification and taxonomic work. Much field work with trips to desert, mountain, and shore for study of plants in their native conditions. Prerequisite: Biology B2b. First semester, Class, *WF, III*; laboratory, *M, 1:15-4:10*. Second semester, Class, *F, III*; laboratory, *MW, 1:15-4:10*. Laboratory fee, \$7.00 each semester. Alternates with D127. (*Omitted in 1938-1939*).

D127a, D127b. Anatomy and Comparative Morphology
of Green Plants.

MISS YOUNGBERG

The anatomy with special reference to vascular tissues from the evolutionary point of view. Morphology covering life-histories,

evolutionary series, and relationships of groups of green plants from algae to seed plants. Prerequisite: Biology B2b. Class, *A*, laboratory, *M*, 1:15-4:10. Laboratory fee, \$7.00 each semester. Alternates with D125.

D131. Botanical Problems.

MR. MUNY

Special work, largely individual, and primarily for majors in the department. Each semester. 1 to 3 units. May be repeated for credit. Permission of instructor necessary for registration. *A*. Laboratory fee, \$2.00 per unit of credit. (*Omitted in 1938-1939*).

ZOOLOGY

B3a, B3b. Physiology.

MISS CLAYTON

The functions of animals, with special reference to the human body. Prerequisite: Biology A1, Class periods, *MF*, *I*; laboratory, *F* 1:15-4:10. Laboratory fee, \$6.00 each semester.

B4. Field Zoology.

MISS CLAYTON

An elementary non-technical course in natural history of local vertebrates. Largely field work, dealing with recognition of common forms, life histories, food habits and ecological factors in distribution. No prerequisite. Second semester. 2 units. Class *T*, *IV*. Laboratory *Th*, 1:15-4:10. Laboratory fee, \$3.00.

C105. Human Anatomy.

MISS CLAYTON

A course designed to meet the requirements of majors in physical education. Prerequisite: Biology A1 and Zoology B3. Second semester. Class, *W*, *I*; laboratory, *MW*, 1:15-4:10. Laboratory fee, \$6.00.

C115. Comparative Anatomy.

MISS CLAYTON

A study of the structure of vertebrates. Prerequisite: Biology B2a. First semester. Four units. Class, *TTh*, *II*; laboratory, *T*, *Th*, 1:15-4:10. Laboratory fee, \$8.00.

C117. Embryology.

MR. HILTON

A study of early development and the formation of organs, with especial reference to vertebrates. Prerequisite: Biology B2a. Second semester. Four units. Class, *TTh*, *II*; laboratory, *T*, 1:15-4:10 and three hours to be arranged. Laboratory fee, \$8.00.

C118. Entomology.

MR. HILTON

A general course in the structure and classification of insects. Each student makes his own collection for identification and study. Prerequisite: Biology B2. Second semester. Class, *T*, *VI*; laboratory, *A*. Laboratory fee, \$6.00.

D113. Histology.

MR. HILTON

The microscopic anatomy of the tissues and organs especially of vertebrates. Some attention is given to methods. Prerequisite: Zoology B3 or Biology B2. First semester. Class, *T, IV*. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$8.00.

D114. Neurology.

MR. HILTON

A general consideration of the structure and functions of the nervous system and sense organs chiefly of vertebrates. Prerequisite: Zoology D113. Second semester. Class *T, IV*. Laboratory by appointment. One class, two laboratory periods. Laboratory fee, \$6.00.

D131. Zoological Literature.

MR. HILTON

Reviews of important contributions in all fields of recent Zoological literature. Open to Juniors and Seniors. Second semester. May be repeated for credit. 1 unit. *F. I.*

D135. Zoological Problems.

MR. HILTON and MISS CLAYTON

This course is for undergraduates who are prepared to undertake special work in general Zoology, Physiology, Entomology, Anatomy or Embryology and have had B work in Zoology. Such problems may be with local insects or other animals or they may be of a general nature dealing with life functions and structures. Either semester, 1 to 3 units. *A.* May be repeated for credit. Laboratory fee, \$2.00 per unit when Laboratory work is involved.

CHEMISTRY

NON-TECHNICAL COURSES

1a, A1b. A Survey of Chemical Science.

MR. TYSON

For students who do not have in mind a scientific career, but wish to gain some knowledge of the physical sciences as part of a general education. By confining the scope of study to one field, effort is made to give the student satisfactory depth of understanding of scientific method and the philosophy of science. Emphasis is laid on the place of chemistry in human affairs. No laboratory work is required. *V.* Fee, \$2.00 each semester to defray expenses of lecture demonstrations.

114a-C114b. Nutrition and Foods.

MR. ROBINSON

A survey of the methods used and the results obtained in investigations of dietetic requirements, and of the nutritive value of foods. Practical use of available information is stressed. No prerequisites. 2 units. *TTh, II.*

FOUNDATION TRAINING FOR SCIENCE STUDENTS

Note: A comprehensive foundation in chemistry is required for majors in chemistry and in the biological-chemical field, for pre-medical students and for some other fields of scientific work. Such a foundation includes courses in inorganic, analytical and organic chemistry, with elementary physical-chemical principles applied in all of these branches. The student may complete this foundation work in two years or in three years, as he prefers. For pre-medical students, the two year program is recommended for the Sophomore and Junior years.

	First Year	Second Year	Third Year
Two Year Program:	B3a-B3b B5a, B5b	C103a-C103b B7, C105	
Three Year Program:	B3a-B3b B4a-B4b	B7, B5b	C103a-C103b C104a-C104b

Students who have a professional objective requiring only one year of chemistry should find out whether qualitative analysis is to be included. If so, registration should be for B3a-B3b and B5a, B5b (10 units). Those to whom qualitative analysis is not important should register for B3a-B3b and B4a-B4b (8 units).

B3a-B3b. Inorganic and Elementary Theoretical Chemistry.

MR. ROBINSON

Lectures, demonstrations and discussions in which attention is given to the philosophy of the scientific method and to the significance of scientific developments in human affairs, as well as to the more technical aspects of the science of chemistry. Special provision is made for those who have not had secondary school chemistry. This course is to be accompanied by a laboratory course, either B4a-B4b or B5a, B5b. *IV*.

B4a-B4b. Laboratory Studies in General Chemistry.

MR. ELLIOT

Concurrent with B3a-B3b. 1 unit each semester. Laboratory *W*, 1:15-4:10. Laboratory fee, \$6.00 each semester.

B5a, B5b. General Chemistry Laboratory and Qualitative Analysis.

MR. TYSON

Concurrent with B3a-B3b; or B5b may be taken independently. The first semester covers the same ground as B4a-B4b; 2 units. The second semester is laboratory practice in systematic qualitative analysis; 2 units. Laboratory *ThF*, 1:15-4:10. Laboratory fee, \$10.00 each semester.

B7. Elementary Quantitative Analysis.

MR. ELLIOT

The principles of quantitative analysis and chemical calculation. Laboratory practice in the simpler gravimetric and volumetric

methods. Prerequisite: One year of college chemistry with laboratory. First semester. Class, *S, II*; laboratory, *WF, 1:15-4:10*. Laboratory fee, \$10.00.

C103a-C103b. Organic Chemistry.

MR. ROBINSON

Lectures, demonstrations and discussions, relating to the chemistry of carbon compounds, including a survey of physical-chemical fundamentals and their application in this field. Practical developments of organic chemistry are stressed. It is expected that laboratory work (C104a-C104b or C105) shall be concurrent with this course. Prerequisite: At least one year of college chemistry, including laboratory work. *VII*.

C104a-C104b. Laboratory Methods of Organic

Chemistry.

MR. ROBINSON and ASSISTANTS

Reactions and syntheses of carbon compounds. 1 unit each semester. Laboratory, *T or W, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

C105. Laboratory Methods of Organic Chemistry.

MR. ROBINSON and ASSISTANTS

For students who wish to take Chemistry B7 the first semester. Covers in one semester the same work done in C104a-C104b. Second semester, 2 units. Laboratory, *TW, 1:15-4:10*. Laboratory fee, \$12.00.

C107. Advanced Quantitative Analysis.

MR. ELLIOTT

A continuation of Chemistry B7 for those students who wish to gain a more comprehensive knowledge of the theory and practice of quantitative analysis. Second semester. Three laboratory periods, *WF, 1:15-4:10* and *A*. Conferences will be held during laboratory periods. Laboratory fee, \$10.00.

ADVANCED COURSES FOR STUDENTS CONCENTRATING
IN CHEMISTRY AND BIOCHEMICAL SCIENCES

C115a-D115b. Biological Chemistry.

MR. TYSON

The chemistry and physical chemistry of materials important in plant and animal organisms, and chemical aspects of the life processes of organisms. Most of the laboratory experiments employ quantitative technic. Prerequisite: General, analytical and organic chemistry. Class, *WF, III*; laboratory, *W, 1:15-4:10*. Laboratory fee, \$6.00 each semester.

C119a, D119b. Physical Chemistry.

MR. ELLIOTT

A general review of the fundamental physico-chemical concepts and principles with numerous illustrative problems, and labora-

tory practice in physico-chemical measurements. Prerequisite: For the first semester, a C course in either chemistry or physics; for the second semester, differential and integral calculus are also required. Class, *TTh, VI*; laboratory, *M, 1:15-4:10*. Laboratory fee, \$8.00 each semester.

D121a, D121b. Chemistry Conference.

THE STAFF

Oral or written reports by students, on material found in current chemical literature; discussions of research methods, the trend of present-day research, and recent developments in theoretical and applied chemistry. Each semester. One unit. *A*. May be repeated for credit.

D151a, D151b. Methods in Chemistry.

THE STAFF

Properly qualified seniors (juniors may be sufficiently advanced in exceptional cases) may elect a laboratory course in special analytical methods, physical chemistry, organic syntheses, or biological chemistry, under the direction of the appropriate instructor. Library reference work is an essential part of such courses and written reports are required. Prerequisites: Analytical and organic chemistry and consent of instructor. 2 or 3 units. *A*. Each semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used.

D201a, D201b. Research in Chemistry.

THE STAFF

Senior students registered in honors, or other seniors of exceptional initiative, may undertake the investigation of problems suited to their experience, in physical, analytical, organic or biological chemistry, under the direction of the appropriate instructor. A thesis and an oral examination are required. 2-4 units. *A*. Each semester. May be repeated for credit. Locker fee, \$3.00, and deposit of \$15.00 to cover breakage and supplies used.

GRADUATE WORK in History of Chemistry as well as in a considerable range of specialized fields of Chemistry is available under the auspices of Claremont Colleges.

CLASSICS

GREEK

B1a-B1b. Elementary.

MR. ROBBIN

First lessons; relation to modern Greek and to English scientific vocabulary; selected short passages from Greek literature Book I of Homer's *Iliad*. *IX*. (*Omitted in 1938-1939*).

C101a, C101b. Selections from Greek Literature. MR. ROBBIN

Two sequences of readings are offered in alternate years: *Herc*

dotus, Plato, Homer, Greek comedy and tragedy, the New Testament. Studies in morphology and syntax are regular features of the work. The course may be repeated for credit in successive years. *IX.*

LATIN

A1a-A1b. Elementary.

MR. ROBBINS

An introductory course in the rudiments of the Latin language with emphasis upon the relation of Latin to English and the Romanic languages. *VII. (Omitted in 1938-1939).*

B3a-B3b. Cicero, Pliny and Horace.

MR. ROBBINS

Cicero, *De Senectute*; Pliny, *Selected Letters*; study of the life and times of the late Roman republic and early empire. Horace, *Odes and Epodes*; philosophy, history and mythology as reflected in the poems of Horace; study of the metrics of Horace and the influence of the Greek lyric poets. *IV.*

C105a-C105b. Composition.

MR. ROBBINS

Review of Latin grammar; translation of sentences and connected discourse into Latin according to the needs of the class; lectures on word-formation and syntax. This course may be re-elected with credit and is required of students majoring in Latin. *A. One unit.*

C106a, C106b. Masterpieces of Greek and Roman Literatures in Translation.

MR. ROBBINS

Extensive readings in the literatures of Greece and Rome through the medium of English translation as a basis for the study of classical civilization and culture. No knowledge of Latin and Greek languages is required. *II.*

C107a, C107b. Roman Comedy and Elegy.

MR. ROBBINS

Selected plays from Plautus and Terence. Origin and development of the elegy with emphasis upon the poems of Catullus, Tibullus, Propertius and Ovid. *I.*

D109a, D109b. Roman History and Biography.

MR. ROBBINS

Two sequences of readings are offered in alternate years: a, Roman philosophy, satire, and pastoral poetry; b, Roman historical and political antiquities. The course may be repeated for credit in successive years. *XIII. In 1938-1939 sequence a.*

GRADUATE WORK in Roman Literature is offered under the auspices of Claremont Colleges.

ECONOMICS

A5a-A5b. Accounting.

MR. NESS

A study in theory and method, developing from the balance sheet the fundamental principles underlying alike the construction and interpretation of financial records. *MF, VII, and T or W, 1:15-4:05.*

B11a-B11b. Principles of Economics.**MR. DUNCAN**

The basic course in the general principles of Economics, including current problems. Required for students expecting to emphasize the study of Economics, and prerequisite for upper division courses in Economics. Not open to Freshmen. Economics A5 not prerequisite for Economics B11. Two sections. *I, III.*

C105. Money and Banking.**MR. NESS**

Principles of money, credit, and banking interpreted in the light of the institutions and financial organization designed to supply society with adequate media of exchange. First semester. *VI.*

C106. Public Finance.**MR. DUNCAN**

Public expenditures, public revenues, public debt, and financial administration, with special attention to the theory and practice of taxation. Second semester. *II.*

C107. Agricultural Economics.**MR. BURGESS**

A study of the application of economic principles to certain problems of agriculture, such as land tenure, transport, labor, marketing and prices. First semester, *III.*

C110. Corporation Finance.**MR. DUNCAN**

Principles underlying the promotion, financial structure and control, failure and reorganization of corporate enterprise, including some study of cooperative organizations. Prerequisite: Economics A5, or equivalent training in Accounting. First semester. *II.*

C120. Public Utility Economics.**MR. NESS**

An historical and analytical study of public utility problems in the United States. Illustrative material is drawn from the railway, gas and electric utilities, but particular emphasis is laid upon the economics of overhead costs, the role of competition, and regulation. Second semester. *V.*

D113. International Economic Policies.**MR. COONS**

A study of the basic factors in international economic relations and conditioning the formulation of international economic policies. A survey of mercantilism, liberalism, socialism, industrialism, nationalism and imperialism, emphasizing international economic aspects. International economic adjustments subsequent to the World War, and international economic factors in depression. Commercial treaties. First semester. 3 units. *TTh, 3:15-4:30.*

D115. Principles of International Trade.**MR. NESS**

A study of the nature and principles of international economic relations. An analysis of the balance of payments and the processes of its equilibrium is followed by a study of the course and theory of the commodity trade and the movement of capital and labor from country to country. Second semester. *VI.*

- D117. Economic Problems of the Orient. MR. DUNCAN
A study of the economic, social and political problems of the Far East with special reference to current conditions in China. Enrolment restricted to seniors expecting to concentrate in Social Science and to others by special consent of instructor; previous courses in Economics not prerequisite. First semester. *VII*.
- D119. Monopolies and Trusts. MR. BURGESS
A study of the economic principles and the legal status of monopolies. Second semester. *III*.
- D230. History of Economic Thought. MR. COONS
A survey of the development of economic science and policy from the forerunners of the classical school to the present day. Second semester. 3 units. *TTh, 3:15-4:30*.
- D250. Economic Cycle Theory. MR. DUNCAN
An introduction to the general problem of economic change and the theory of cycles. The course includes an explanation of the simpler statistical methods employed in cycle analysis and particular attention is given to the phenomena of the depression period of the '30's and various proposals for the control of cyclical movements. Business barometers and the problems of forecasting economic change. Second semester. *VII*.
- D251. Economic Theory. MR. NESS
A systematic study of the theoretical tools of analysis used in the consideration both of the economic system as a whole and the particular problems which arise within it. First semester. *V*.

EDUCATION

- B3. Introduction to Education. MR. FITTS
A course designed for those who desire an understanding of the American school system. The outstanding problems of present-day education are examined and certain approaches to a solution of these problems are discussed. This course or equivalent prerequisite for other courses in Education. First semester, *III*. Second semester, *IV*.
- C104a, C104b. History of Education. MR. NICHOLL
The development of educational theory and practice from the Greek period to the present, with an attempt during the second semester to make a comparison of the established systems in America and typical European countries. History A1 or equivalent recommended as a prerequisite. 3 or 4 units. *VII* and *A*.
- D215. Principles of Secondary Education. MR. FITTS
The factors and principles which underlie the theory and prac-

tice of secondary education, including the junior high school, the senior high school and the junior college. Second semester. *III*.

A wide range of graduate work in Education leading to the various credentials as well as to the degree of Master of Arts is offered under the auspices of Claremont Colleges.

ENGLISH

Writing and Speech are emphasized feature of all Lower Division courses. Persons who plan to concentrate in English should complete Reading List I before the beginning of the Junior year.

A1a, A1b. English: An Introductory Course.

THE DEPARTMENTAL STAFF

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the more important literary types; instruction and practice in writing and speech. 4 units. Prerequisite for all other departmental courses. Men: *WF, I*; section meetings at *II*. Women: *TTh, II*; section meetings at *I*.

B5a, B5b. Nineteenth Century Literature. MISS WOMACK

An introduction to literary history and criticism, with intensive study of the poetry and non-narrative prose of the period and collateral reading in the novel. Upper Division students may register for the course only on the written recommendation of the instructor. *III*.

B9. Types of Prose Fiction. MR. DAVIS and MR. LINCOLN

A general survey of important works in prose fiction with emphasis upon the development and recurrence of significant phases within the type, such as tale, romance, novel. Two sections. Second semester. *V*.

B10. Introduction to Drama. MR. DAVIS and MR. FRAMPTON

Great plays of various periods from the classic Greek to the present day; as extensive reading as time will permit. Two sections. First semester. *V*.

B11. Character Presentation in Dramatic Literature.

VIRGINIA PRINCEHOUSE ALLEN

The theory and technique of character presentation as found in selected plays. The course looks toward character-interpretation through the actor's art. Permission of the instructor must be secured before registration for this course. Either semester. *VI*.

B21. English Composition. MR. FRAMPTON, MISS WOMACK

The fundamentals of effective expression in writing, with con-

siderable attention to the composition of the "course paper." First semester. Two sections. *IV*.

B22. Advanced Composition.

MR. LINCOLN

A course for students who have mastered fundamentals. Registration limited to twenty. Prerequisite: A degree of distinction in Course B21 and the permission of the instructor. Second semester. *IV*.

ADVANCED COURSES

A substantial acquaintance with the books of Reading List I is most desirable as a preliminary to registration in Upper Division courses.

C101a, C101b. The Renaissance in England. MR. STRATHMANN

English literature of the Renaissance, dramatic and nondramatic, Spenser, Shakespeare, Bacon and Milton being main figures and the enduring contributions of the Renaissance in thought, forms, and materials being a major topic. *IV*.

C103a, C103b. Literature of the Eighteenth Century.

MR. MCCULLEY

The neo-classical literature of Dryden, Pope and their contemporaries; the periodical essayists; sentimentalism, realism and romanticism; the eighteenth century drama; the beginnings of the English novel; the spread of the romantic movement in England and on the Continent. *III*.

C105. American Literature.

MR. LINCOLN

The literature of the United States, with emphasis on its expression of our national characteristics and sentiments. Second semester. *VI*.

C111. The Short Story.

MR. FRAMPTON

Practice in supervised writing of short-stories. Study of significant short-stories. (*Not offered in 1938-1939*).

D121. Creative Writing.

MR. FRAMPTON

Supervised practice in all forms of creative writing. Study of matters and fields of literary interest. First semester. *T, X and XII, and F, IX*.

D123. Chaucer.

MR. DAVIS

A study of Chaucer as the outstanding narrative and dramatic poet of the transition from the medieval to the modern world. First semester. *VI*.

D124. The English Language.

MR. STRATHMANN

A survey of the English language from Chaucer to the present day with emphasis on the development of vocabulary, grammar

and syntax. Critical theories of language in relation to literature will be given due attention. The course is recommended especially to prospective teachers of English. Second semester. *VI*.

D125. Shakespeare.

MR. FRAMPTON

A study of the principal plays. First semester. *VII*.

D127. Literary Criticism.

MR. FRAMPTON

An examination of the bases of literary criticism; studies of outstanding modern critics; frequent practice in supervised critical writing. (*Not offered in 1938-1939*).

D201a, D201b. The Great Victorians and Their Successors.

MR. MCCULLEY

Recent literature in English considered as an outcome of nineteenth century backgrounds and main currents of modern thought. The first semester of the course comes to a focus in Arnold and Meredith; the second culminates in the literary activities of our own day. Prerequisite: English B5 or an equivalent. *V*.

The opportunity for graduate work in English provided by the colleges of the Claremont group is quite extensive. In the way of literature and literary history it includes the more important authors and movements from Chaucer's time to the present day. There are offerings too, though considerably more limited, in the English language and creative writing. The student who purposes to go on into graduate study is advised to plan his whole course from at least as early as his junior undergraduate year.

FRENCH

See Romance Languages and Literatures.

GEOGRAPHY

Courses in this field are available at Scripps College.

GEOLOGY

B1a, B1b. Introductory Geology.

MR. WOODFORD

Dynamic, structural and historical geology. Prerequisite: High school chemistry or equivalent. Class, two hours a week; laboratory or field work, one period a week. Class, *WF, I*; laboratory, *W* or *Th, 1:15-4:15*. Laboratory fee, \$3.00 each semester.

B3. Determinative Mineralogy.

MR. WOODFORD

Prerequisite: High school chemistry or equivalent. First semester. Two laboratory periods. 2 units. *A*. Laboratory fee, \$4.00.

C105. Crystallography and Crystal Structure. MR. WOODFORD

Must be preceded or accompanied by Geology B3, unless taken

upon the written recommendation of the Department of Chemistry or of Physics. Crystallography 2 units; crystal structure 1 unit. First semester, 2 or 3 units. *WF, V.*

C110. Petrology.

MR. WOODFORD

The study of rocks without the microscope. Prerequisite: Geology B1a, B3 and C105. Second semester. Two class and two laboratory periods. 4 units. *WF, V.* Laboratory fee, \$4.00.

C107a-C107b. Invertebrate Paleontology.

MR. WOODFORD

Prerequisite: Geology B1b; recommended preparation: Biology B2a. Two class and one laboratory periods, first semester; one class and two laboratory periods, second semester. *A.* Laboratory fee, \$6.00 each semester. Given alternate years. (*Omitted in 1938-1939*).

D104. Field Geology.

MR. WOODFORD

Prerequisite: Geology B1b, C110. A summer course of three or six weeks. 3 or 6 units. *A.*

D111-D112. Petrography.

MR. WOODFORD

Refraction and double refraction; the optical indicatrix; study of minerals and rocks with the petrographic microscope. Prerequisite: Geology C105. Two class and one laboratory period, first semester; one class and two laboratory periods, second semester. *A.* Laboratory fee, \$5.00 first semester; \$8.00 second semester.

D130, D131. Geological Investigation and Research.

MR. WOODFORD

3 units. *A.* Laboratory fee, \$4.00 each semester.

GRADUATE WORK in Geology with special reference to Petrography is offered under the auspices of Claremont Colleges.

GERMAN

A1a-A1b. Elementary German.

MISS WAGNER

The acquirement of a small working vocabulary. Constant ear-training, and as much practice in speaking as time permits. Daily exercises in reading and writing. The essentials of grammar. Etymology. Comment on German life and literature. *III, IV.*

A, B. Elementary and Advanced German.

MISS WAGNER

Two years in one. 6 units. *I, II.* (*Omitted in 1938-1939*).

B3a-B3b. Advanced German.

MR. BAUMANN and MISS WAGNER

More advanced German language study through intensive reading and discussion of selected German works, with considerably extended reading in the field of the students individual interest. Continued practice in German conversation. Some attention to

an understanding of the cultural life of Germany, Austria and Switzerland. Prerequisite: German A1 or an equivalent. *II, V.*

C102a, C102b. Conversation and Composition. MISS WAGNER

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation. Prerequisite: German B3 or equivalent. *VI.*

C109a, C109b. German Literature of the Nineteenth Century.

MR. BAUMANN

With special reference to the cultural, economic and political history of Germany. Discussion and papers. Prerequisite: German B3 or equivalent. *XI and A. (Omitted in 1938-1939).*

C113. German Classics of the Eighteenth Century.

MR. BAUMANN

A study of the outstanding works and personalities of the period with particular attention to the social and political life of Germany. Second semester. *XI.*

D118. Modern German Literature.

MR. BAUMANN

The development of German Literature from 1880 to the present with reference to the political and social changes during that period. Second semester. *A.*

Under the auspices of Claremont Colleges graduate work is offered in various phases of German Literature with special emphasis on the modern field.

HISTORY

A1a-A1b. The Development of Western Civilization.

MR. PITMAN, MR. COOKE, MR. KEMBLE

The evolution of civilization in Europe from antiquity to the present, and its spread throughout the world. Attention is paid to the political, religious, intellectual, and economic forces of change. The aim is to lay a foundation for the understanding of contemporary problems. This course or its equivalent is normally a prerequisite for advanced courses in history. Emphasis in Mr. Cooke's section (*IV*) is on modern history. Three sections *III*, Mr. Pitman and Mr. Kemble; *IV*, Mr. Cooke.

B5a, B5b. History of the United States.

MR. KEMBLE

The political, cultural and economic development of the United States from its beginnings as an outpost of European expansion to a position of independence and world influence. *I.*

B6a, B6b. (Oriental Affairs B6). The Development of Oriental Civilization.

MR. FAH

A general survey of the history and characteristic elements of Oriental civilization essential to an understanding of the contemporary Far East. Most attention will be given to China and Japan. *V.*

- C102. Economic History of Europe. MR. NESS
An historical study of economic life in Europe, with special emphasis upon the concept of an economy and the rise of such modern economic institutions as private property and contract, the profit motive, the machine technique, etc. The patterns of economic thought and activity transcend the territorial limits of Europe. Second semester. *V. (Omitted in 1938-1939).*
- C107a-C107b. English History. MR. PITMAN, MR. PARKER
The development of the main features of civilization in England and the British Empire. Emphasis is laid upon the evolution of religious, intellectual, and economic forms as well as the growth of political institutions. Thus the course is largely a study of the cultural heritage of America. First semester, Great Britain to 1660, Mr. Pitman; second semester, Great Britain and the Empire since 1660, Mr. Parker. *VII.*
- C109. History and Cartography of Western America and the North Pacific. MR. KEMBLE
The exploration, economic exploitation and settlement of Western North America by Spaniards, Russians and Anglo-Americans. Attention is given to the political and cultural evolution of the area, and the development of economic ties with the rest of the world. The Henry R. Wagner Collection of History and Cartography of the North Pacific and the Mason Library of California and Western American History offer unusual facilities for work in this field. First semester. *XI.*
- C113a, C113b. Modern European History. MR. COOKE
(*Omitted in 1938-1939.*)
- C117a, C117b. The History of the Greeks and Romans. MR. ROBBINS
Ancient civilization from its genesis to the Roman conquest of Greece, followed by a study of Rome from the founding of the Eternal City until the reign of Justinian. Emphasis is placed upon the civilization and literature of the Greeks and Romans. *V.*
- D119. American Diplomatic History. MR. PARKER
The development of American foreign policy as revealed in the relations of the United States with European, Asiatic and other American nations. Emphasis will be on relations with European States. First semester. *III.*
- D119. Reading in American Diplomatic History. MR. PARKER
First semester. *A.*
- D120. (Oriental Affairs D120) History of Far Eastern Diplomacy. MR. FAHS
The history of the diplomatic relations of Eastern Asia primarily since 1800. Second semester. *I.*

D123. Nationalism and Imperialism.

MR. SULZBACH

A survey is given of the theories of race and national character and of the geographic and economic factors influencing national attitudes. The foreign policy of the leading nations since the end of the 18th century is outlined. First semester. *I*.

D124. History of Colonization.

MR. SULZBACH

A survey of Spanish, Portuguese, British, Dutch and French Colonization. Attention is given to the Colonial problem of present days; the questions of raw materials, trade, migration, and the value of colonies for the mother-country. Second semester. *IV*.

D125. Economic and Social History of the United States.

MR. PITMAN

The development of the economic and social structure of the United States and, in relation to this development, a study of patterns of thought and behavior, and of expression in the arts in successive periods of American life. Lectures and student reports on significant leaders and movements. First semester. *TTh, 3:15-4:45*.

RD125. Reading in Economic and Social History of the United States.

MR. PITMAN

A course of reading for honors students concentrating in history to accompany History D125a, D125b. Weekly conferences. First semester. *A*.

D127a, D127b. Maritime History of the North Pacific.

MR. KEMBLER

The exploration of the North Pacific area, and the development of coastwise and transoceanic communication. Special facilities for this work are afforded by the Henry R. Wagner Collection of History and Cartography of the North Pacific and the Mason Library of California and Western American History. Directed research. *A. (Omitted in 1938-1939)*.

In Claremont Colleges, opportunity is afforded for graduate study in the history of the British Empire, Modern Europe and America.

MATHEMATICS

A1a, A1b. Introduction to College Mathematics.

DEPARTMENTAL STAFF

The objective of this course is to prepare students for work in calculus the following year. The subject matter covered with particular students will be adjusted to meet their needs as evidenced by their previous preparation. Prerequisite to further work in the department, except Math. B7 and B8. To be offered at three periods and in as many sections in each period as the registration calls for. *IV, V and VI*.

B7. Mathematics of Finance.

MR. JAEGER

Interest, annuities, amortization, depreciation, and an introduction to the mathematics of life insurance. First semester. *III*.
(Omitted in 1938-1939).

B8. Statistical Methods.

MR. JAEGER

Graphs, averages, frequency distribution, probability, correlation, index numbers. Second semester *MW, III*; laboratory, *F, 1:15-4:10*. Laboratory fee \$1.00.

B11. Surveying.

MR. TAYLOR

Use and adjustment of surveying instruments. Methods of making and mapping surveys for various purposes. Given during summer session at the Bluff Lake Camp of Pomona College. Prerequisite: Plane trigonometry. 6 units.

B15a, B15b. Differential and Integral Calculus.

MR. TAYLOR and MR. HAMILTON

A continuation of Mathematics A1. *III* and *IV*.

B25. Plane Analytic Geometry.

MR. TAYLOR

A study of the straight line, conic sections, higher plane curves and their properties. Prerequisite: Math. A1. First semester. *VII*.

B110. Solid Analytic Geometry.

MR. TAYLOR

Planes, curved surfaces, and space curves. Also a brief treatment of spherical Trigonometry. Prerequisite: Math. B25. Second semester. *VII*.

B119. Higher Algebra and Theory of Equations.

MR. JAEGER

Theory and solution of higher algebraic equations and other advanced topics in algebra. *II*.

B120a, B120b. Differential Equations.

MR. JAEGER and MR. HAMILTON

A general course in the theory and solution of differential equations. *I*.

B121a, B121b. Advanced Calculus.

MR. HAMILTON

A brief introduction to Taylor's series, approximation by series, line and surface integrals, Fourier's series, complex variable, and related topics. *III*.

B230. Selected Topics in Higher Mathematics.

DEPARTMENTAL STAFF

From time to time work in complex variable, projective geom-

etry, differential geometry and number theory will be given as the demand requires. 1 to 3 units. Second semester. *A*.

GRADUATE WORK in Number Theory, Differential Geometry, Real and Complex Variable is offered under the auspices of Claremont Colleges.

GRAPHICS

A7a, A7b. Engineering Drawing.

MR. TAYLOR

A beginning course in mechanical drawing and descriptive geometry. Includes lettering, use of instruments, orthographic projection, and the making and interpreting of working drawings. 1 or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

B9a, B9b. Engineering Drawing.

MR. TAYLOR

A more advanced course in mechanical drawing and descriptive geometry. Treats of orthographic and perspective projections, machine and structural details. Prerequisite: Mathematics A7. or its equivalent. 1 or 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

C112a, C112b. Engineering Drawing.

MR. TAYLOR

Design of cams, gears, machine parts and simple trusses. 2 units. *TTh* or *F*. 1:15-4:10. Laboratory fee, \$2.00 per unit.

MILITARY SCIENCE

The College maintains an Infantry Unit, Senior Division, of the Reserve Officers' Training Corps, established under the National Defense Act for the general purpose of qualifying students as leaders in time of national emergency. Students who successfully complete the four-year course will be tendered commissions as second lieutenants in the Officers' Reserve Corps.

The courses include both classroom and outdoor instruction. Theoretical instruction covers the basic technical knowledge required of a lieutenant of the United States Army. Drill periods provide opportunity for the practical application of the theoretical instruction and for the improvement of the posture and physical coordination of the student. Special emphasis is placed on the development of the qualities of leadership. The poise acquired by the student and his practical experience in the art of command may be applied in many walks of life.

The instructors in the department are officers of the Regular Army detailed for duty at the College by the War Department. Equipment provided includes rifles, automatic rifles, machine guns, a one-pounder gun, a Stokes mortar, and instruments for a 28-piece band. All students are given instruction in marksmanship. Ammunition for target practice is furnished without charge. Individual competitions are held and a rifle team selected for intercollegiate matches.

Students who have received training in a Junior R.O.T.C. unit may be given advanced standing on the basis of two years Junior R.O.T.C. for one year Senior R.O.T.C. up to the limit of 1½ years Senior unit training. Application for advanced standing must be made when registering and must be accompanied by a recommendation from the Professor of Military Science and Tactics at the school which the student attended.

The four year course is divided into the basic course, consisting of the first two years, and the advanced course consisting of the work of the third and fourth years. Enrollment in either course is voluntary but, when a student has elected either the basic course or the advanced course, completion of the course elected becomes a prerequisite for graduation.

The basic course is open to all physically fit male students who are American citizens. Enrollment does not involve any obligations or military service nor does it interfere with the participation in sports by the student. Uniforms for the basic course are issued without charge to the student.

Enrollment in the advanced course is limited to selected students who have completed the basic course or its equivalent and who enter into an agreement to attend one summer camp for a period of six weeks. Attendance at this camp is expected during the summer between the Junior and Senior years. Students enrolled in the advanced course are required to attend camp before graduation. In consideration of this agreement students receive, from the government, cash allowances equivalent to a scholarship of about \$100.00 per year. All necessary expenses in connection with the summer camp, including transportation to and from camp, are provided by the government.

A1a-A1b. First Year Basic Course.

MAJOR STIVERS

National defense; citizenship; military courtesy and discipline; rifle marksmanship; map reading; military policy of the United States; military organization; military hygiene and first aid; close and extended order drill and ceremonies. 1½ units. 2 sections. Class, *M, I or III*. Drill, *M, 1:15-3:05*.

B3a-B3b. Second Year Basic Course.

MAJOR BARBER

Musketry; scouting and patrolling; infantry weapons; automatic rifle; combat principles of the rifle squad; drill and command. 1½ units. 2 sections. Class *S, VI or F, IX*. Drill, *M, 1:15-3:05*.

C105a-C105b. First Year Advanced Course.

MAJOR BARBER

Leadership; 37 mm. gun and Stokes mortar; machine guns; field fortification; automatic pistol; combat orders; marches and security; combat principles of the rifle section and platoon; interpretation of aerial photographs; drill and command. 3½ units. 2 sections. Class, *III or VII*. Drill *M, 1:15-3:05*.

D107a-D107b. Second Year Advanced Course. MAJOR STIVERS

Leadership; military administration; military history of the United States; military law; tanks and mechanized warfare; anti-aircraft defense; signal communications; tactical problems in the command of rifle and machine gun companies and the howitzer platoon; drill and command, as platoon, company and battalion commanders. $3\frac{1}{2}$ units. 2 sections. Class, *II* or *IV*. Drill *M*, 1:15-3:05.

MUSIC**THEORY AND APPRECIATION****A1a-A1b. Elementary Harmony. MR. ALLEN**

A study of intervals, scales, tonal magnetism, primary triads, dominant seventh and ninth chords, and all non-chordal tones. Harmonization of melodies. Prerequisite: Elementary knowledge of the pianoforte. *III* and *IX*.

A2a-A2b. Sight Singing and Dictation. MR. LYMAN

Training in sight singing; melodic and rhythmic dictation with a view to discriminate listening. Two periods per week. No credit. *MW*, *V*.

B3a-B3b. Appreciation of Music.

A course designed to stimulate the enjoyment of music by means of the development of intelligent listening; planned to give a general idea of the elements, structural principles, and aesthetic content of music. Not designed for students majoring in music. 2 units. *MW*, *XI*.

B5a-B5b. Advanced Harmony. MR. ALLEN

Secondary harmonies. Modulation and chromatically altered chords. Keyboard drill and analysis. Creative work is encouraged from the beginning. Harmonization conducted on a melodic basis. Prerequisite: Music A1 or equivalent. *VII*.

B6a-B6b. Advanced Dictation. MR. BLANCHARD

A continuation of A2a-A2b, employing triads, seventh chords and modulation. Dictation in two, three, and four part harmony. Prerequisite: A2. 1 unit. *WF*, *IX*.

C104a-C104b. History of Music. MR. FISKE

A general survey of the history of occidental music from the beginning of the Christian era. Prerequisite: Music A1. *IV*.

7a-C107b. Counterpoint.**MR. ALLEN**

A study of Simple Counterpoint in the five species with an aim to learn the art of free part-writing. Creative work in various contrapuntal forms, as the Invention and the Suite, will be undertaken during the course. Prerequisite: Music B5. *VI.*

2a-C112b. The History and Literature of the Organ.**MR. CLOKEY**

A study of the development of the organ from the mechanical standpoint; present day tendencies in organ design and construction; the literature of the organ. Two periods per week. One unit. *A.*

3a-C113b. Orchestration and Instrumentation.**MR. BLANCHARD**

A study of the instruments of the modern orchestra; their history, technical limitations and use in various groups; study of scores and the technique of scoring. Prerequisite: Music B5. *I.*

3a-D108b. Free Composition.**MR. ALLEN**

Advanced original work in the shorter free styles. Text—Goethius "Homophonic Forms." Prerequisite: Music C107. *A.*

4. Form and Analysis.**MR. BLANCHARD**

Designed to lead to a clear understanding of the principles upon which musical form is based, and to the application of these principles in the works of the great masters of form. Prerequisite: Music B5. 2 units. Offered in alternate years. *TTh, II.*

APPLIED MUSIC**Class Instruction (No special fees).**

Enrollment for credit is limited to two courses at one time.)

4a-B7b. Choral Singing.**MR. LYMAN**

A study and production of choral music, especial attention being given to diction, phrasing, content of the works dealt with, and an understanding of musicianship as applied to choral singing. The Class will be organized as the College Choir and as such will sing and practice on Mondays, Wednesdays and Fridays from 11:55 to 12:20, and on Tuesdays and Thursdays from 1:30 to 12:20. 1 unit. The course may be repeated for credit.

4a-B9b. Orchestra.**MR. FISKE**

A study of major works of orchestral repertoire and application of the principles of orchestral routine through public performance. Two periods of attendance weekly; one hour credit. Additional sectional rehearsals at option of director. The course may be repeated for credit. *T and F, 4:15.*

B10a, B10b. Band.**MR. BLANCHARD**

The study and production of the best in concert band repertoire. Two periods of attendance weekly (also one hour of drill on Saturday at 11:00 during football season); one hour credit. The course may be repeated for credit. *M and W, 4:15.*

II. Individual Instruction (Special fees charged).

The student in applied music under individual instruction will be enrolled for credit toward the Bachelor of Arts degree only upon the written recommendation of the Chairman of an Examining Committee and the Head of the Department, and upon the subsequent favorable action of the Classification Committee. This recommendation is based upon the degree of ability and advancement shown in Proficiency Tests. To receive credit applied music must be accompanied or preceded by first year harmony, Music A1. This course entitles a student to register for credit in applied music for one or two lessons per week for the first year and one lesson per week for the remaining three years. If credit is desired for *two* lessons per week for a second year or more, the work must be accompanied or preceded by second year harmony, Music B5. Two units per semester are given for two lessons a week, one unit per semester for one lesson a week. No college credit is given for work below "B" (Sophomore) grade. (As many Freshmen are able to pass the prerequisite tests allowing them to take "B" grade work, students of all classes are advised to confer with the Head of the Department regarding eligibility for credit.) Not more than 12 units' credit in applied music may be counted toward the Bachelor of Arts degree unless the student is able to present a total of 8 units of "D" (Senior) grade work in any subject. In this case 10 units' credit may be allowed. Proficiency tests are required only of students desiring credit toward the Bachelor of Arts degree.

Voice**MR. LYMAN, MISS STEVENSON****Organ****MR. CLOKE****Piano****MR. OLIVER****Violin and Viola****MR. FISKE****Wind and Percussion Instruments****MR. BLANCHARD**

Lessons on other instruments may be arranged for private through the office of the Music Department.

III. Group Instruction (Special fees charged).

Class lessons for beginning students are offered at special rate a registration of four persons being set as the class minimum. For this work no collegiate credit is given. Each class meets once week for an hour.

GRADUATE WORK in composition and study of Music Forms and Public School Music Methods is offered under the auspices of Claremont Colleges.

ORIENTAL AFFAIRS

For convenience of reference all of the courses dealing specifically with Oriental Affairs are listed below. Students should register for these courses under the departmental number given in parenthesis.

6a, B6b. (History B6a, B6b). The Development of Oriental Civilization.

MR. FAHS

A general survey of the history and characteristic elements of Oriental civilization essential to an understanding of the contemporary Far East. Most attention will be given to China and Japan. *V*.

101a-C101b (Oriental Languages C101a-C101b). Chinese.

An elementary reading course in the Chinese language. *II*.

102a-C102b (Oriental Languages C102a-C102b).

Japanese.

MR. FAHS

An elementary reading course in the Japanese language. *VI*.

104. Far Eastern Literature in Translation.

MR. FAHS

A study of outstanding Chinese or Japanese literary works in English translation with the aim of a deeper appreciation of Oriental life and thought. *III*.

109. (Political Science C109). Political Problems of Eastern Asia.

MR. STORY

(Omitted in 1938-1939).

126 (Philosophy C126). Oriental Philosophy.

MR. IREDELL

Second semester. *VII*.

117 (Economics D117). Economic Problems of the Orient.

MR. DUNCAN

First semester. *VII*.

120 (History D120). History of Far Eastern Diplomacy.

MR. FAHS

The history of the diplomatic relations of Eastern Asia prior to July 7, 1937. Second semester. *I*.

121 (Political Science D121). Contemporary Far Eastern Governments.

MR. FAHS

A study of political activity and the structure of government in China and Japan as compared with the United States and European countries. *I*.

PHILOSOPHY

Courses B25 and B27 are general introductions to philosophy. They are recommended both for students who wish a general acquaintance with the subject, and for those who wish to lay a foundation for advanced work.

One year's work in Philosophy is required for admission to D courses.

B21. Introduction to Logic.

MR. IREDELL

A study of the elements of deductive and inductive reasoning with special emphasis upon the problems of definition, the nature and use of scientific hypotheses, probability, and deductive and inductive fallacies. First semester. *IV*.

B25a, B25b. History of Philosophy.

An introduction to philosophy through the study at first hand of the works of significant and representative philosophers. Approximately six thinkers will be studied during the year. This is not a survey course, although the main lines of historical development, especially in ancient Greek thought and in Europe since the Renaissance, will be traced. Open to freshmen by permission. *V*.

B27a, B27b. Problems of Philosophy.

MR. IREDELL

An introductory consideration of the meaning and method of philosophy, an examination of the thought problems which emerge in astronomy, geology, physics, biology and psychology and a review of some of the main philosophic estimates of life. *VI*.

C123. The Nineteenth Century.

Main currents of nineteenth century European thought: Liberalism and individualism, utilitarianism, positivism, evolution, romanticism. Some account will be given of their origins, and of the reaction against them by the English idealists and by Nietzsche, late in the century. Prerequisite: One course in philosophy. First semester. *IX*.

C124. Ethics.

An examination of the central problems of ethics, approached through a consideration of human nature and the main ethical traditions that have influenced the outlook of the present day. Attention will be given to Greek and Christian ethics, and to the impact of science on ethics in the modern world. A course primarily for upperclassmen; some previous work in philosophy recommended, though not required. First semester. *III*.

C126. Oriental Philosophy.**MR. IREDELL**

This course is designed to provide the student with a general background of oriental thought as a basis for further study of oriental life and culture. An attempt will be made to gain an appreciation of the thought life of the Orient through a study of some of the more important thinkers and schools of oriental philosophy and through a comparison of oriental and western philosophical views and cultural ideals. Second semester. *VII.*

C132. Philosophy of the State.

A study of the state and other social groups from the point of view of values. Consideration of some of the central concepts of political philosophy, and of their validity for the present day. This course is the natural sequel to, although it does not presuppose, Philosophy C124. For upperclassmen. Second semester. *III.*

D133. The Philosophy of Science.

(Omitted in 1938-1939).

D134. Contemporary Philosophy.**MR. IREDELL**

A study of contemporary philosophic thought through some of the main modern thinkers with special reference to the dominant ideas of the civilization of today. Prerequisite: Philosophy B25 or B27, or such previous work as will provide an equivalent grasp of the basic problems of philosophy. Second semester. *IV.*

D135. Contemporary Philosophy of Education.**MR. IREDELL**

A consideration of educational philosophies at work in the world today, together with a critical analysis of the chief philosophical problems involved. The course will include a brief survey of some of the current attempts to reform education in this country and abroad, and will consider the contributions of some of the outstanding contemporary philosophical thinkers to the problems of education. First semester. *III.*

D136. The Philosophy of Plato.

The class will study the philosophy of Plato in detail, reading and discussing a number of the Dialogues in the course of the semester. Prerequisite: one year's work in philosophy, preferably Philosophy B25 or B27. Second semester. *MW, 2:15-3:30.*

A considerable range of graduate offerings in Philosophy is available under the auspices of Claremont Colleges.

PHYSICAL EDUCATION

Students who wish to prepare to teach physical education in the

public schools may qualify for the general credential with a major in physical education by completing a program of courses in Pomona College, followed by a year of graduate work in Claremont Colleges.

MEN AND WOMEN

A student may count toward graduation not more than one hour per semester in "sports" and "activities" during his Lower Division years, and not more than one-half hour per semester during his Upper Division years.

A5. Principles of Healthful Living.

MR. NIXON and MISS KELLEY

An introduction to general hygiene dealing with the meaning and significance of physical, mental, and social health as related to the individual and to society. Important phases of our National health problem. Constructive methods of promoting the health of the individual. Defensive hygiene. Special health problems of college students and young people generally. Elective either semester. 2 units *TTh, VI*. Men, Mr. Nixon; women, Miss Kelley. (*Men's section omitted first semester 1938-1939*).

C126. Community Health.

MISS KELLEY

A brief survey of the fields of community and public health dealing with the health of people as a group, and with the social and governmental activities which are concerned with environmental control and health promotion. Hygiene and the correlation of the total health teaching program. Second semester. 2 units. *TTh, IV*.

C127. Community Recreation.

MR. HEATH

A study of the organization of the school and the public playground, the types of leadership, and types of activities best suited for various age periods. Discussion of the technique of organizing the recreation center. Organization of leadership. Limited to upper division students. Second semester. 2 units. *TTh, II*.

C128. Nature and Function of Play.

MISS KELLEY

The biological interpretation of play and the function of play in growth, development and social adjustment. Methods of leadership and organization of play activities to bring out moral habits, attitudes and judgments. First semester. 2 units. *TTh, II*.

C130. Kinesiology.

MISS CAWTHORNE

An analysis of joint and muscular mechanism, and their relation to problems of bodily development and efficiency. Prerequisite: Anatomy. First semester, *I*.

D131. Physical Deviations.

MISS CAWTHORNE

Study of the causes, prevention, and correction of physical de-

fects. Laboratory work includes methods of examination, prescription of exercises. Prerequisite: C130. Second semester *MW, I*; and laboratory *A*.

D133. Principles of Physical Education.

MR. NIXON

Limited to Seniors preparing to teach Physical Education. Second semester. *VII*.

GRADUATE WORK leading to various credentials as well as to the Master's Degree is offered under the auspices of Claremont Colleges.

MEN

Students engage in programs of physical education activities selected according to individual needs as determined by medical and physical examinations and tests. Complete freedom in the choice of activities is permitted only to men who maintain acceptable standards in health, physical development, and physical efficiency. Among the minimum requirements of the Department are good posture, ability to swim, elementary skill in self defense or gymnastics, proficiency in fundamental activities, reasonable skill in at least one individual sport and in one team game.

The following physical education activities are carried on under supervision of the Department: Archery, badminton, baseball, basketball, boxing, corrective exercises, cross country running, football, golf, gymnastics, swimming, tennis, touch football, track and field athletics, volleyball, water polo, wrestling. The student obtains credit in the required courses listed below by participation in activities selected in accordance with the principles set forth in the preceding paragraph.

The College program of intercollegiate athletics is an integral part of the program of Physical Education. No student is permitted to participate in the more strenuous forms of competition without a certificate from the College Physician indicating that the individual is physically fit for such participation.

A1a-A1b. Physical Education Activities. THE STAFF

Required, Freshman year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

A2a-A2b. Gymnastic Exercises. MR. STREHLE

Required of Freshmen not taking military. $\frac{1}{2}$ unit. *A*.

B3a-B3b. Physical Education Activities. THE STAFF

Required, Sophomore year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

B4a-B4b. Physical Education Activities. THE STAFF

Required of Sophomores not taking military. Sophomore year. $\frac{1}{2}$ unit. *A*.

C105a-C105b. Physical Education Activities. THE STAFF

Required, Junior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

C107a-C107b. Physical Education Activities. THE STAFF

Required, Senior year. $\frac{1}{2}$ to $1\frac{1}{2}$ units. *A*.

D219a-D219b. Technique of Teaching Physical Education.

MR. HEATH, MR. STREHLE and MR. MERRITT

This course is devoted mainly to methods in teaching and supervising athletics. 2 units. *A*.

WOMEN

A medical and physical examination is given all entering students with subsequent posture tests. Physical activities are allowed or prescribed as the result of these examinations. Participation in A11a-A11b is required for the Freshman year. Students may have freedom of election in other activities in so far as medical and physical examinations warrant, but must include during the Freshman and Sophomore years one individual sport, one team or group sport and one semester of either tap, folk, or natural dancing.

ACTIVITY

Six units of Physical Education Activities are required for graduation. One unit is credited for A11, Fundamentals, a special course organized in such a fashion as to include the basic fundamentals of physical activity. The remaining 5 units may be earned by participation in any of the following activities.

Individual Sports	Team Sports	Dancing	Gymnastics
Archery	Basketball	Rhythmics	Danish
Badminton	Baseball	Creative	Individual
Golf	Hockey	Tap	
Riding	Speedball	Folk	
Riflery	Volleyball		
Swimming			
Tennis			

¹Students interested in camp leadership are referred to the announcement on page 73.

Course in Recreational Games including:

Croquet	Shuffleboard
Horseshoes	Tenniquoits
Paddle Tennis	Tether Ball
Ping Pong	

A11a-A11b. Fundamentals.	THE STAFF
Required, Freshman year. $\frac{1}{2}$ unit. <i>A</i> .	
A12a-A12b. Sports and Dancing.	THE STAFF
Required, Freshman year. $\frac{1}{2}$ to 1 unit. <i>A</i> .	
B13a-B13b. Fundamentals, Sports or Dancing.	THE STAFF
Required, Sophomore year, $\frac{1}{2}$ unit. <i>A</i> .	
B14a-B14b. Fundamentals, Sports or Dancing.	THE STAFF
Required, Sophomore year, $\frac{1}{2}$ unit. <i>A</i> .	
C115a-C115b. Fundamentals, Sports, or Dancing.	THE STAFF
Required, Junior year. $\frac{1}{2}$ unit. <i>A</i> .	
C117a-C117b. Fundamentals, Sports or Dancing.	THE STAFF
Required, Senior year. $\frac{1}{2}$ unit. <i>A</i> .	

THEORY

C119a-C119b. Methods in Coaching and Supervising

Sports.

MISS BRISTOL

1 unit. 1st semester *F, IX*; 2nd semester, *F, XI*.

PHYSICS

A1a-A1b. Introduction to Physical Science.

MR. TILESTON and MR. HAUPT

A non-mathematical course intended for those who wish to obtain a knowledge of the fundamental facts, theories and applications of physics. The lectures will be illustrated by numerous experimental demonstrations and the subject will be developed from the basis of the electron structure of matter. *V*. Fee, \$5.00 each semester.

B2a-B2b. General Physics.

MR. TILESTON

A study of the phenomena and laws of mechanics, wave motion, sound, heat, magnetism, electricity and light. This course is designed to furnish a working knowledge of the basic principles of physics and is planned especially for those students who expect to continue their technical studies in physics, chemistry, engineering or medicine. Prerequisite: Trigonometry. *I*.

B4a-B4b. Physical Measurements.

MR. TILESTON and MR. HAUPT

Quantitative laboratory work in the subjects indicated in Course B2a-B2b. Must accompany B2a-B2b. *T, W or Th, 1:15-4:15*. 1 unit. Laboratory fee, \$3.00.

C110. Slide Rule and Precision of Measurements. MR. HAUPT

A study of the principles of precision of measurements and the application of these principles to experimental data. The student will be given the opportunity to learn the operation of the slide rule and the computing machine. Prerequisite: Calculus and Physics B2, B4. 3 units. First semester, *III*. Fee \$3.00.

C111a-C111b. Electricity and Magnetism. MR. TILESTON

A course in theoretical electricity and magnetism, a study of the fundamental laws underlying resistance, self and mutual inductance, and capacity in both direct and alternating current circuits. Prerequisite: Calculus and Physics B2, B4. 3 units. *II*.

C113. Mechanics. MR. HAUPT

Kinematics and dynamics of motion. Study of forces and their relation to motion. Concepts of work, power, momentum, impulse. Centers of mass, moments of inertia, products of inertia. Statics and the equilibrium of particles, rigid bodies and framed structures with special emphasis on engineering applications. Mechanics and atomic physics. Prerequisite: Calculus. First semester, *VII*.

D109a-D109b. Electrical Measurements.**MR. TILESTON**

Laboratory in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, resistance, inductance and capacity. Opportunity will be given for work in pyrometry, photometry and thermionics. Prerequisite: Physics C111a-C111b preceding or accompanying this course. 1 unit. *M*, 1:15-4:15. Laboratory fee, \$4.00.

D115. Optics.**MR. HAUPT**

The fundamental laws of geometrical and physical optics, the wave theory of light, interference, diffraction, polarization, electromagnetic theory of light, reflection and refraction, dispersion, magneto-optics, theory of relativity and introduction to the subject of spectroscopy and atomic theory. Prerequisite: Physics B2, B4 and Calculus. First semester, *VI*.

D117. Optical Measurements.**MR. HAUPT**

Quantitative verification of the laws of geometrical and physical optics, interference, diffraction, polarization, dispersion and refraction, photometry and photography. Special emphasis will be given to the work in spectroscopy. Laboratory to accompany D115. 1 unit. First semester *F*, 1:15-4:15. Laboratory fee, \$4.00.

D200a-D200b. Modern Physics.**MR. TILESTON**

Electromagnetic theory of radiation, the electron, properties of moving charged bodies. Kinetic theory of gases, thermionics, photoelectric effect. X-rays, spectroscopy, critical potentials, radioactivity, isotopes. 3 units. *A*.

D220. Research.**MR. TILESTON and MR. HAUPT**

The following problem is in progress in the department:
Properties of high energy ions.

Majors in the department who are properly qualified will be accepted as research associates. First semester. 1 to 3 units. *A*. Laboratory fee, \$2.00 per unit.

POLITICAL SCIENCE and LAW**INTRODUCTORY COURSES****A1a, A1b. The Foundations of Government.****MR. MCKELVEY**

The genesis and nature of political control is the inquiry of the first semester; the chief problems confronted in the exercise of control are considered in the second semester. Only lower division students may register. 2 or 3 units. *W*, *F*, *XI*, with third hour, *M*, *XIII*, for those permitted to register for three units.

B3a, B3b. Contemporary Governments.**MR. SAIT**

First semester: Modern solutions to problems in the field of political control. The character, institutional forms, and political

practice of the principal contemporary foreign governments with special attention to English government. Second semester. American government including a study of the principles and problems of American national, state and municipal polity. *IV.*

C101. Principles of Politics.

MR. MCKELVEY

An examination of the fundamental forces, practices and problems revealed by man's experience in the art of government. Primarily for junior college transfers. Not open to those who have had A1. First semester. *VII.*

ADVANCED COURSES

Unless otherwise specified seven or eight hours work in the introductory courses, listed above, or the written consent of the instructor, is a prerequisite for registration in the following courses.

C103a, C103b. Municipal Problems.

MR. MCKELVEY

Modern experience in adjusting the relations between central governments and cities and the attempts of the latter to reorganize their polity to meet the terms imposed by democratic ideals and scientific technology are considered in C103a. The special conditions which arise in metropolitan communities and the effort to refashion their political mechanisms and processes, with special attention to metropolitan areas in California, are surveyed in C103b. *III.*

C105. Introduction to Law.

MR. BURGESS

The development of American law and legal institutions with some analysis of the rights and liabilities arising from the more common legal relationships. First semester. *I.*

C108a, C108b. International Relations.

MR. SAIT

In the first semester the main subjects of discussion will be economic discords and harmonies, the cause and effect of war, methods of adjusting disputes, international co-operation, the peace movement, and particularly the League of Nations. The second semester will be devoted to a survey of international law—its nature, sources, and content, with emphasis upon the significance of post-war instruments such as the Covenant of the League, the Statute of the Court, and the Pact of Paris. *II.*

C109. Political Problems of Eastern Asia.

MR. STORY

(Omitted in 1938-1939).

D112. Public Opinion.

MR. MCKELVEY

The origin and nature of individual and group attitudes toward public affairs; also an inquiry into the processes by which opinion

is formulated and expressed and how it becomes effective in law and policy. Second semester. *VII.*

D113. Political Institutions.

MR. SAIT

The State: its origin; its function as law-giver; the chief forms that it assumes. Among the topics for discussion will be sovereignty, jurisprudence, nationalism, federalism, democracy, and representation. First semester. *VI.*

D114. Constitutional Law.

MR. BURGESS

An examination of the Constitution of the United States and the decisions of the Supreme Court upon questions arising thereunder. Second semester. *I.*

D115. Political Parties.

MR. SAIT

Their role in a democracy; their relation to the electorate, public opinion, and pressure groups; how they are organized and financed; how they nominate candidates and fight campaigns. While attention will focus upon the American scene, phases of foreign practice will be noted, especially regarding the conduct of elections. Second semester. *VI.*

D121 (Oriental Affairs D121). Contemporary Far Eastern Governments.

MR. FAHS

A study of political activity and the structure of government in China and Japan as compared with the United States and European countries. *I.*

THE READING PROGRAM IN POLITICAL SCIENCE

A student who desires to read in Political Science will qualify for admission to honors (see p. 56); for concentration in the field of Social Science (see p. 69), and will adopt the following Reading Program as the dominating feature of his upper division work. This program is designed to prepare those who aspire to intelligent participation in public affairs, to enter public service or to do graduate work in Political Science or Law. The Reading Program represents a possible twenty-four hours of credit in the department, with an additional six hours contingent upon the completion of reading courses planned for the summer months. The amount of credit to be assigned to any individual Reader will depend upon the appraisal of his work at the end of his Senior year. At that time a series of comprehensive examinations, written and oral, are given to all Readers during the month of May with a view to testing the Reader's range and thoroughness of achievement and the degree of maturity which characterizes his thinking. Readers who seek their degree with "Distinction in Political Science" will also prepare a thesis during Senior year:

The Reading Program emphasizes certain features which are designed to assure perspective and to impart organization and direc-

tion to the Reader's effort in the field as a whole:

(1) Each Reader registers, not for individual courses, but for the entire program, e.g., C151, C152 in the Junior year, and D251, D252 in the Senior year. In making up their programs Readers are advised to confer with all members of the Department, but registration will be made through the head of the department.

(2) As directive and contributing elements, not less than four advanced courses from the departmental offerings available in Political Science at Pomona and the course on Modern Political Ideas at Scripps College will be incorporated and completed in each Reader's program. Registration for these is indicated as follows: C151 (C108) or D252 (D112).

(3) Readers are furnished a selected bibliography covering the four sections of the program; in consultation with some member of the department they will formulate their program of reading for each semester and for summer work if the latter is entered upon. Each reader is responsible for a sound general knowledge of the material indicated in each section, and is expected to develop such individual emphasis as interest and time dictate and as may be agreed upon in consultation with his adviser in three subjects chosen under Section 2.

(4) In addition to individual conferences with a member of the department who acts as his adviser, each reader will meet bi-weekly in a pro-seminar group with the departmental faculty for the presentation of selected reports and discussion.

C151, C152. Reading in Political Science.

MR. BURGESS, MR. SAIT, MR. FAHS, MR. MCKELVEY,
MR. SAUNDERS (Scripps), MR. BERGSTRAESSER (Scripps)
coöperating

D251, D252. Reading in Political Science.

MR. BURGESS, MR. SAIT, MR. FAHS, MR. MCKELVEY,
MR. SAUNDERS (Scripps), MR. BERGSTRAESSER (Scripps)
coöperating

1. *Political Thought*: The great classics of Political Science from Plato's *Republic* to the significant works of contemporaries.
2. *Governmental Institutions*: General Reading in the following subjects, in three of which individual emphases shall be stressed.

- a. American Government.
- b. Foreign Governments.
- c. Comparative Municipal Government.
- d. International Political Institutions.
- e. Comparative Legal Institutions.
- f. Public Opinion.
- g. Public Administration.

3. *Political Biography*: The lives of great public leaders, with some emphasis upon those of the United States and Great Britain. "Works" and autobiographies will be included.

4. *Bibliography and Methods*: A survey of bibliographical guides and helps; methods of investigation. 24-30 units. *A*.

GRADUATE WORK, with particular emphasis upon the fields of Administration, Comparative Government, Public Opinion and Political Theory, is available in Claremont Colleges.

PSYCHOLOGY

B1a, B1b or B2 is prerequisite to all further courses in the department.

B1a, B1b. Elements of Psychology.

MR. EWER

The fundamental facts and laws of the mind. Principles of sensation, perception, memory, thought, feeling, emotion, and will. The relation of the nervous system to mental processes, action, and learning. Practical applications in various fields. *IV, VII*.

B2. Elements of Psychology.

MR. ELLIS

Similar to B1a, B1b. Second semester. 4 units. *I* and *F, IX*.

C104. Child Psychology.

MR. PERKINS

An intensive survey of physical and mental growth and development. Particular attention will be given to methods of child training and to the hygiene of growth. Second semester. *VII*.

C105. Individual Differences.

MR. ELLIS

A study of the nature and extent of individual differences and their causes as determined by objective methods. Age, sex and race differences. Genius, subnormality, insanity and criminality. The organization of mind. Applications in various fields are considered briefly. Second semester. *V*.

C106. Problems of Psychical Research.

MR. EWER

The mysterious phenomena of the mind presented in the light of scientific psychology. The subjects considered include hyperesthesia, automatisms, illusions and hallucinations, hypnotism, contemporary occultism and spiritualism. First semester. *V*.

C107. Educational Psychology.

MR. PERKINS

Practical applications of psychology to education. The nature of the learner; intelligence and motivation; principal features of the learning process. First semester, *VII*.

C118. Experimental Psychology.

MR. ELLIS

A laboratory course in psychology accompanied by lectures and discussions of the principles of scientific method used in psychological investigations. First semester. Class, *MF, III*; laboratory *W, 1:15-4:10*. Laboratory fee \$2.00. (*Omitted in 1938-1939*).

D111. Personality.**MR. EWER**

Physical basis and social development; types, and methods of measurement. First semester. *VI*.

D112. Social Psychology.**MR. EWER**

Mental processes underlying social order and progress; the individual as the social unit; collective forms of behavior. Second semester. *VI*.

D117. The Nature and Measurement of Intelligence. **MR. ELLIS**

A study of the nature of intelligence and the principles and methods of intelligence testing with special emphasis upon the method of giving the Stanford Revision of the Binet Tests. Second semester. *IV*.

D209a, D209b. Advanced Psychology. **MR. EWER and MR. ELLIS**
(*Omitted in 1938-1939*).

GRADUATE WORK in various aspects and applications of psychology is offered under the auspices of Claremont Colleges.

PUBLIC ADDRESS**A1a-A1b. English: An Introductory Course.****MR. SCOTT**

(In cooperation with the Department of English).

The fundamental principles of literary criticism and interpretation together with reading and study of specimens of the more important literary types; instruction and practice in writing and speech. 4 units. Prerequisite for all other departmental courses. Men: *WF, I*; section meetings at *II*; Women: *TTh, II*; section meeting at *I*.

B32a-B32b. Public Address.**MR. SCOTT**

Exercises in voice development and platform deportment. Training in analysis of subjects, selection and arrangement of material, psychological adaptation of material and treatment to specific audiences. 2 units. *MW, III*.

B33a-B33b. Principles of Interpretative Reading.**MR. SCOTT**

Study of the technique of effective oral interpretation of literature. Application of this technique in the reading of various literary types. 2 units. *TTh, VI*.

B35a, B35b. Argumentation and Debate.**MR. SCOTT**

Study of the principles of argumentation and practical applica-

tion of these principles in class debates. Debate subjects for the the year analyzed and debated. 2 units. *MW, V.*

C131a-C131b. Advanced Public Address.

MR. SCOTT

Training in the construction and delivery of formal addresses. Prerequisite: Public Address B32 or equivalent. 2 units. *TTh, IV.*

C134a, C134b. Reading of Dramatic Literature.

MR. SCOTT

The intensive study of a limited number of standard plays, with emphasis on dramatic values in character and plot. Interpretative reading of these plays in class. Recital programs before the class. Prerequisite: Public Address B33 or equivalent. 2 units. *MW, VII.*

RELIGION

A5. Great Personalities in Religious History.

MR. MELAND

A biographical study of the founders of world religions and other significant personalities in religious cultures. Acquaintance with the classics in sacred literature, associated with these religious leaders, will also be sought. First semester. 2 units. *TTh, VI.*

A6. Great Personalities in Christian History.

MR. MELAND

A biographical study of men and movements in western Christianity from the first century to modern times. Especial attention will be given to persons who influenced the course of the Christian religion at significant turning points in western culture. Acquaintance with the Christian classics in literature, related to these personalities, will also be stressed. Second semester. 2 units. *TTh, VI.*

C101. The Modern Man's Approach to a Religious Outlook.

MR. MELAND

A course for the general student, aiming to interpret the meaning and function of religious value in the modern civilization, arising from the sciences and technology. Problems such as man's relations with the universe, man's spiritual possibilities as an earth-creature, the spiritual significance of his social environment, the two sides of life, science and religion, art and religion, the spiritual heritage of the past, and similar issues, bearing upon the modern man's religious relations with his world, will be considered. 2 or 3 units. *TTh, IV* with third hour to be arranged.

C102. The Modern Man's Approach to Religious Living.

MR. MELAND

While considered a continuation of C101, this course may be taken without the first semester's work. Effort will be made

here to interpret the meaning of religious living in relation to the process of growing up, to the ethical demands of modern life, and to the development of intelligence and appreciations in the wider spheres of modern culture. Second semester. 2 or 3 units. *TTh, IV* with third hour to be arranged.

C103a, C103b. Religion Through the Ages.

An historical and comparative study of the religions of the world. During the first semester, attention is given to the beginnings of religion among ancient peoples, the rise of religious cultures in India, China, Japan, and the Mediterranean world, emphasizing the findings of the social sciences, bearing upon the history of religions. In the second semester, study is made of contemporary developments in world religions from the opening of the modern era to the present day. *IV. (Omitted 1938-1939).*

D111. Pro-seminar in Philosophy of Religion. MR. MELAND

A study of the major issues of present-day religious thought, dealing with such themes as the meaning of God; religious awareness and knowledge; the method of religion in relation to art and science, and other problems bearing upon a philosophical understanding of the religious relationship. A survey of the main turns of thought in contemporary philosophy of religion will conclude the course. Open to Juniors and Seniors with permission of the instructor. First semester. *V.*

D112. Pro-seminar in Psychology of Religion. MR. MELAND

A study of the empirical problems of religion, dealing with such themes as the nature of the religious response, religious experience, prayer, the religious aspect of personality adjustment, and the criteria of religious living. Familiarity with the significant literature in psychology of religion since 1900 will be sought. Open to Juniors and Seniors with permission of the instructor. Second semester. *V.*

ROMANCE LANGUAGES AND LITERATURES

FRENCH

A1a-A1b. Elementary.

MRS. BISSIRI, MR. CROWELL, MISS WAGNER

Essentials of grammar and pronunciation; readings from easy modern texts; writing from dictation; practice in speaking. *IV, VII.*

B3a-B3b. Intermediate.

MRS. BISSIRI, MR. CROWELL, MISS WAGNER

A review of grammar with the translation of moderately difficult English into French; conversation. Extensive reading of modern French texts representing as many literary forms as possible;

a part of this reading is done as outside assignments; French history, geography, culture, etc., are stressed in class discussions as far as time allows. *III, VII.*

C103a, C103b. Literature of the Nineteenth Century.

MRS. BISSIRI, MR. CROWELL

In the first semester a survey of prose writers followed by an intensive study of certain of the poets of the 19th century and the contemporary period will be made. The second semester, stress will be upon the theater of the 19th century. *V.*

C111. Composition and Conversation.

MRS. BISSIRI

Intensive drill in written and oral expression; free composition; dictation; conversation on assigned topics or extempore, with special stress on the acquisition of a correct pronunciation and intonation, phonetics being used as an aid. This course is conducted, for the most part, in French. First semester. *IV.*

D113. Literature of the Seventeenth Century.

MRS. BISSIRI

Introductory lectures on the historical background and the precursors of the great dramatists, with a detailed study of the great plays of Corneille and Racine and certain of the writings of Boileau, Mme. de Maintenon and others. First semester. *XI.*

D119. Le Moyen Age et La Renaissance.

MR. JONES

Introductory lectures on the language and literature of the middle ages. Study of early French poetry; Les chroniqueurs; Villon, etc. Followed by lectures on the Renaissance and a study of the *Pléiade*, Rabelais, Montaigne, Marot, etc. Collateral readings. First semester. *IV.*

D120. Literature of the Eighteenth Century.

MR. JONES

A critical study of the French philosophers of the eighteenth century with especial attention to Montesquieu, Voltaire and J. J. Rousseau. Collateral readings and reports. Second semester. *IV.*

SPANISH

A1a-A1b. Elementary.

MISS HUSSON

Essentials of grammar and pronunciation; readings from easy modern texts; writing from dictation; practice in speaking. *VII.*

B3a-B3b. Intermediate. Grammar Review and Modern Readings.

MISS HUSSON and MR. CROWELL

A review of grammar with the translation of moderately difficult English into Spanish; conversation. Extensive reading of modern Spanish texts chosen to represent as many literary forms as possible; a part of this reading is done as outside assignments;

Spanish history, geography, culture, etc., are stressed in class discussions as far as time allows. Prerequisite: Spanish A1 or equivalent. *V, XI.*

C103. The Theater of the Nineteenth Century. MISS HUSSON

Study of the works of such dramatists as Moratín, Martínez de la Rosa, Duque de Rivas, Gutiérrez, Hartzenbusch, López de Ayala, Bretón de los Herreros, Tamayo y Baus, Echegaray, and others. First semester. *VI.*

C104. The Novel of the Nineteenth Century. MISS HUSSON

Study of certain of the works of Fernán Caballero, Pedro de Alarcón, Valera, Pereda, Galdós, Pardo-Bazán, Valdés, and Blasco Ibañez. Second semester. *VI.*

C111a-C111b. Spanish Composition and Conversation.

MISS HUSSON

Intensive drill in written and oral expression; free composition; dictation; conversation, on assigned topics or extempore, with especial stress on the acquisition of a correct pronunciation and intonation. This course is conducted, for the most part, in Spanish. *IV.*

D113a, D113b. Literature of the "Siglo de Oro." MR. CROWELL

In the first semester, the life and works of Cervantes, including an intensive study of the "Quijote"; followed, in the second semester, by a consideration of the dramatic writings of Lope de Vega, Tirso, Ruiz de Alarcón, and Calderón. Assigned outside readings and reports. *III.*

D117. Survey of Spanish Literature.

MR. CROWELL

The development of Spanish literature from the earliest times to the present. In connection with readings and reports opportunity will be afforded each student to work up phases of the subject in which he finds himself deficient. (*Omitted in 1938-1939.*)

D115a, D115b. Spanish American Literature. MR. CROWELL

Class study of some of the outstanding literary productions of Hispanic America. Extensive outside readings; individual reports. Geography, history and culture are stressed in introductory lectures and class discussions. *III. (Omitted in 1938-1939.)*

ITALIAN

B31a-B31b. Elementary.

MR. JONES

A rapid survey of the grammar with special emphasis on the pronunciation. Extensive reading of modern prose. Open only to

students who have a thorough grounding in French, Spanish, or Latin. *VI*.

In the Romance field the graduate seminars offered under the Claremont Colleges plan center on the following periods of the literature:

French: 16th Century, 19th Century,
Contemporary Period.

Spanish: From Beginnings to Golden Age,
Golden Age, 19th Century,
Contemporary Period.

SOCIOLOGY

B21a-B21b. Elements of Sociology.

MR. KIRK

An introduction to the study of society. Designed to give the student an orientation in the social sciences and to develop a critical, comparative, and constructive attitude toward contemporary social problems. Application of sociological principles to modern social problems, such as race prejudice and movements of population, urbanization and neo-Malthusianism, marriage and divorce, poverty and crime, child welfare, leisure time activities. *IV* and *VI*.

C107. Criminology.

MR. KIRK

The nature and evolution of crime; the organic and environmental causes of crime; an examination of criminal procedure. The historical development of the principles and methods of punishment. The new scientific approach to the treatment of delinquents in the courts and in penal institutions. Prevention of delinquencies through control of the causes. First semester. *V*.

C108. Labor Problems.

MR. KIRK

A survey of labor problems and causes of industrial unrest, collective bargaining and trade unionism, child labor, scientific management, labor legislation, methods of promoting industrial peace, problems of reconstruction. Second semester. *V*.

D133. Theories of Social Reform.

MR. KIRK

A study of various proposals for social reconstruction including: The Utopians, Marxian Socialism, Fabian Socialism, Syndicalism, and Anarchy. An investigation of contemporary experiments in social reorganization: The British Labor Movement, The Fascist Regime, Soviet Russia and the Cooperative Movement in Europe, India, and America. First semester. *III*.

D134. Contemporary Sociological Thought.

MR. KIRK

An analysis of the facts and forces involved in the organization and modification of society with special emphasis upon isolation, social distance, conflict and accommodation. A survey of the leading sociological theories, and an historical and analytical

study of leading sociological thinkers as a basis for an understanding of society and its problems. Second semester. *III.*

D251, D252. Advanced Studies in Sociology.

MR. KIRK

Research in social problems and agencies. Various techniques which have been developed in sociological research will be used in making individual or group surveys for the purpose of demonstrating the relative merit, the special contribution and the definite limitations of the several tools of research. *A.*

SUMMER SESSION

Although the main work of the Summer Session formerly conducted by Pomona College has been transferred to Claremont Colleges, Pomona College still maintains summer work at Laguna Beach and Bluff Lake.

The Department of Zoology conducts work at the Laguna Beach Marine Laboratory, Professor W. A. Hilton, Director.

At the Pomona College summer camp in the San Bernardino Mountains, Professor Taylor gives theoretical and practical work in field surveying and Mr. Beggs gives instruction in applied art.

SUMMARY OF STUDENTS

1937 - 1938

Compiled March 1, 1938

Seniors	-	-	-	-	-	-	-	-	-	-	-	195
Juniors	-	-	-	-	-	-	-	-	-	-	-	164
Sophomores	-	-	-	-	-	-	-	-	-	-	-	237
Freshmen	-	-	-	-	-	-	-	-	-	-	-	238
Specials	-	-	-	-	-	-	-	-	-	-	-	5
Total Enrolment	-	-	-	-	-	-	-	-	-	-	-	839

In addition to the above, 9 Claremont Colleges students, 92 Scripps College students and 2 students from La Verne College have taken some work in Pomona College during 1937-1938.

KEY TO BUILDINGS

PERMANENT



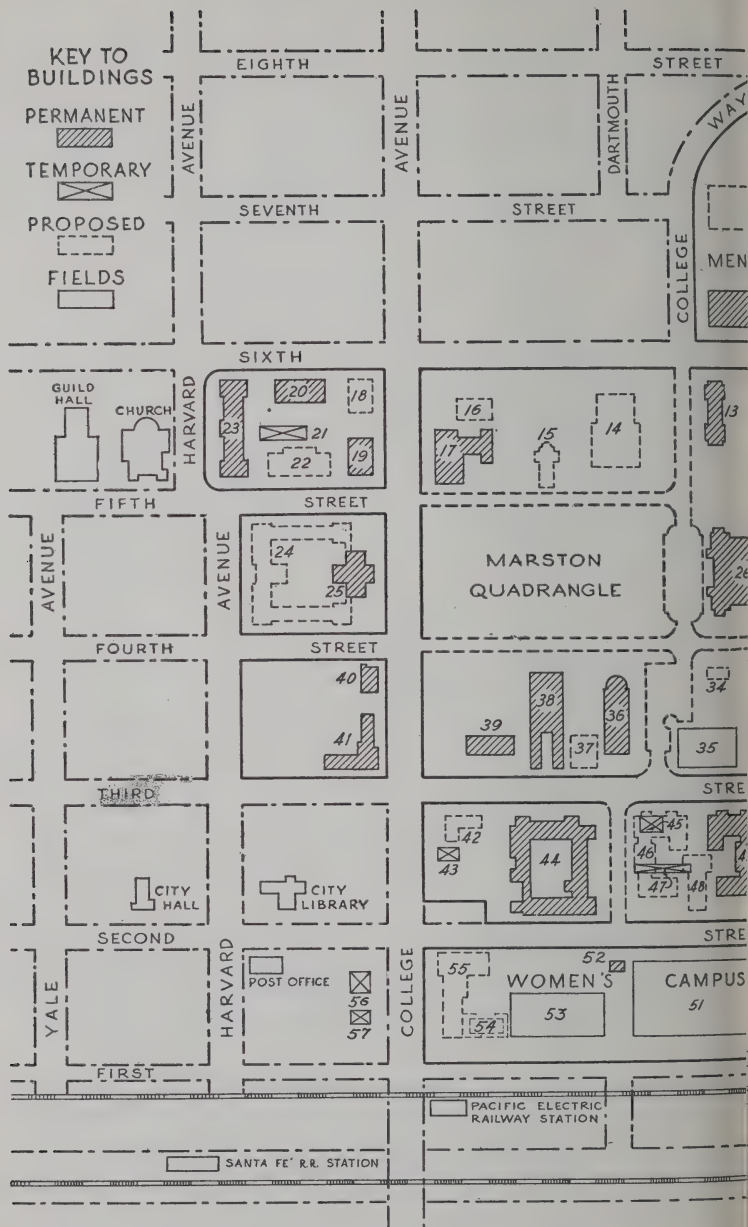
TEMPORARY



PROPOSED



FIELDS



Index

PERMANENT

3. Eli P. Clark Hall
5. Eli P. Clark Hall and Frary Hall
8. Tennis Courts
9. Alumni Athletic Fields
10. Training Quarters
11. Swimming Pool
13. Smiley Hall
14. Student Building

17. Holmes Hall
19. Pearsons Hall
20. Crookshank Hall
23. Mason Hall
25. Library
26. Bridges Auditorium
29. Volley Ball Court
- 29-A. Baseball Field
30. Brackett Observatory
31. Open-Air Theater
32. Hockey Field
33. Tennis Courts
35. Tennis Courts
36. Sumner Hall
38. Bridges Hall
39. Rembrandt Hall
40. President's House
41. Claremont Inn
44. Harwood Court
49. Florence Carrier Blaisdell Hall
51. Women's Playing Field
52. Field House
53. Women's Playing Field
58. Heating Plant

TEMPORARY

6. Garages
7. College Shops
21. Harwood Hall
27. Little Gymnasium
28. Big Gymnasium
43. Baldwin House
45. Kenyon House
47. Garages
50. Brackett House
56. Haddon Hall
57. Denison House

PROPOSED

1. Dean's House
2. Men's Dormitory
4. Browsing Room and Lounge
12. Men's Gymnasium
15. Chapel
16. Dramatic Studio
18. Botany Building
22. Physics Building
24. Addition to Library
30. Brackett Observatory
34. Museum of Pomoniana
37. Music Annex
42. Residence for Dean of Women
46. Women's Dormitory
48. Women's Dining Hall
54. Pool
55. Women's Gymnasium



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